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January 25, 2018

SENT VIA: ELECTRONIC MAIL AND US MAIL

Mr. Jeffrey Thomas
Remedial Project Manager
U.S. Environmental Protection Agency
Hazardous Site Cleanup Division, 3HS23
1650 Arch Street
Philadelphia, PA 19103

**RE: QUARTERLY PROGRESS REPORT FOR THE AVTEX FIBERS SUPERFUND SITE FOR THE PERIOD
1 OCTOBER TO 31 DECEMBER 2017**

Dear Mr. Thomas,

FMC Corporation (FMC) has enclosed one clipped copy of the Quarterly Progress Report for remedial activities undertaken by FMC at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). This Quarterly progress report addresses the reporting requirements in 1999 Consent Decree between the United States of America and FMC Corporation to conduct removal and remedial actions. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this progress report to describe actions taken pursuant to the Consent Decree during the previous quarter.

If you have any questions or comments, please call me at 215-299-6047.

Sincerely,

Brian McGinnis
EHS, Remediation Manager

Enclosure (1)

cc: M. Payne, B. Kiracofe, VADEQ
S. Curran, Gannett Fleming
H. Philip, Parsons
M. Robinson, Parsons

**QUARTERLY PROGRESS REPORT
for the Avtex Fibers Superfund Site, Front Royal, Virginia
for the Period October 1 to December 31, 2017**

1.0

INTRODUCTION

FMC Corporation (FMC) has conducted removal and remedial activities at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). The removal action, remedial design, and remedial action activities were performed pursuant to the 1999 Consent Decree between the United States of America and FMC Corporation (effective 21 October 1999).

On August 29, 2014, USEPA issued a document titled, "Superfund Preliminary Close-out Report," which documented construction completion at the Site. The completion of construction at the Site marked its transition into the O&M phase. Full-scale operations and maintenance were achieved when the Groundwater and Leachate Treatment Plant (GLTP) began operating in continuous biological mode in September 2015. During the September 8, 2014 monthly call between EPA and FMC, EPA agreed that the former monthly progress reporting for the site could be reduced to quarterly during O&M phase as specified in paragraph 45 in Consent Decree. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this quarterly progress report to describe actions taken pursuant to both the Areas of Concern (AOC) and Consent Decree during the months of October, November, and December 2017.

This report includes progress towards full completion of removal and remedial activities, and follows formatting consistent with previous reports. Daily operations and maintenance activities will be ongoing and will follow requirements in the Site-Wide O&M Plan (FMC, May 2015), which will include the Operations and Maintenance Manual Groundwater and Leachate Treatment Plant (Parsons, May 2015), and the Operations, Maintenance and Monitoring Manual Groundwater and Leachate Extraction System (Parsons, May 2015) with any major deviations reported in the sections below. The Site-Wide O&M Plan replaces prior response action specific O&M Plans, such as those presented in the various design documents.

In accordance with Section XI of the Consent Decree, this quarterly progress report contains the following:

- Description of actions taken during the previous quarter;

- Summary of data generated by FMC during the previous quarter;
- Actions scheduled for the next quarter;
- Description of problems and actions taken to mitigate the problems;
- Update on the schedule of actions and percentage completion of tasks;
- Modification to the Work Plans or other schedules; and
- Activities undertaken in support of the EPA Community Relations Plan.

Attachment 1 lists correspondence and deliverables transmitted from FMC or FMC contractors to EPA, and from EPA or EPA contractors to FMC for the previous quarter.

The remainder of the quarterly progress report is divided into six sections (these sections will be removed and updated when actions are completed for the section):

- *Section 2.0 – OU-7/ROD 5 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 23 in the Consent Decree. The units covered under OU-7 include Viscose Basins (VB) 9-11, site-wide ground water and surface water.
- *Section 3.0 – OU-10/ROD 4 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 24 in the Consent Decree. The units covered under OU-10 include VB 1-8, the New Landfill, Wastewater Treatment Plant (WWTP) Closure, and Plant Area Soils.
- *Section 4.0 - Non-Time-Critical Removal Actions (NTCRA) for the Buildings.* This section describes the activities being conducted under Paragraph 21.A in the Consent Decree. The scope of the NTCRA-Buildings project is to decontaminate the remaining structures and remove the sewers and manholes.
- *Section 5.0 - Basin Closure.* This section describes the activities being conducted as a NTCRA under Paragraph 22 of the Consent Decree. The scope of this action consists of the closure of the Sulfate Basins, WWTP Basins, Fly Ash Basins, and the Stockpile (Mountain).
- *Section 6.0 – Groundwater and Leachate Treatment Plant O&M.* This section describes the Operations and Maintenance (O&M)

activities being conducted to address the discharge requirements for the GLTP.

- *Section 7.0 - Other Site Support Documents.* This section describes site-wide activities that cross over all of management units.
- *Section 8.0 – Community Relations Support.* This section describes activities undertaken in support of community relations in accordance with the Consent Decree requirement.

2.0

OU-7/ROD 5 (VB 9-11, GROUND WATER, SURFACE WATER) REMEDIAL DESIGN/REMEDIAL ACTION

2.1

Actions Taken and Reports Prepared in Previous Period

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.
- Completed quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011. No hydrogen sulfide or volatile organic compounds (VOCs) were detected at any of the monitoring locations. The results are presented in Attachment 2.
- Completed sampling of well 306 in accordance with the Site-Wide Groundwater Monitoring Plan dated February 3, 2015. This low recovery well was purged during the annual sampling event in July 2017, but could not be sampled due to the very low recovery rate. Purging and sampling of this well was completed in December.
- Completed the first 5-year compliance monitoring event for water quality criteria and polychlorinated biphenyls (PCBs) as required by Section 4.3 of the Site O&M Manual. This sampling is conducted once every five years to ensure compliance with discharge limitations.
- Repairs were made to the gravel roads and small erosion areas. Roadside drainage channel on the west side of VB-10 was extended due to severe erosion of the surrounding road and gate area. The road was repaired to the original condition.

2.2

Data Generated in Previous Period

As required by the Air Monitoring Plan, post construction quarterly air monitoring for hydrogen sulfide and organic vapor was completed. The results and a map showing the sample locations is provided in Attachment 2. No hydrogen sulfide or volatile organic compounds (VOCs) were detected at any of the monitoring locations. Results from the annual post construction air sampling are currently being validated and will be provided in a future report.

The following instruments were utilized to collect the real-time readings:

- Hydrogen Sulfide: Jerome 613X.
- Organic Vapor: MiniRAE 3000

2.3

Actions to be Completed Next Period

- Complete quarterly water level measurements as described in Section 2 of the GMP.
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.
- Complete quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011.

2.4

Problems Encountered and Remedies

No problems were encountered during the previous period.

2.5

Schedule Update

All remedial design and remedial action work associated with OU-7 is complete based on EPA's approvals of the remedial action reports for the GLTP component and Viscose Basins 9-11 cap system and groundwater and leachate extraction component of OU-7.

- 3.0 OU-10/ROD 4 (VB 1-8, NEW LANDFILL, PLANT AREA SOILS AND WWTP CLOSURE) REMEDIAL DESIGN/REMEDIAL ACTION**
- 3.1 Actions Taken and Reports Prepared in Previous Period**
- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.
 - Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
 - VB sump electrical conduit was installed from the VB building to VB-9, 10, and 11 sumps to facilitate the installation of larger-capacity electric driven leachate transfer pumps to be utilized within the larger sumps of each of the three VB basins. The remaining electrical work is scheduled for completion in January 2018.
- 3.2 Data Generated in Previous Period**
- None.
- 3.3 Actions to be Completed Next Period**
- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.
 - Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- 3.4 Problems Encountered and Remedies**
- No problems were encountered during the previous period.
- 3.5 Schedule Update**
- All remedial design and remedial action work associated with OU-10 is complete based on EPA's approvals of the remedial action reports for plant area soils, WWTP and VB 1-8 and New Landfill.
- 4.0 NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) BUILDINGS**
- 4.1 Actions Taken and Reports Prepared in Previous Period**
- No actions were completed during the previous period because EPA issued a Certificate of Completion.

4.2 *Data Generated in Previous Period*

No new analytical data were generated during the previous month.

4.3 *Actions to be Completed Next Period*

No actions will be completed during the next period because EPA issued a Certificate of Completion.

4.4 *Problems Encountered and Remedies*

No problems were encountered during the previous month.

4.5 *Schedule Update*

All removal action work associated with NTCRA-Buildings is complete.

5.0 *NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) - BASIN CLOSURE*

5.1 *Actions Taken and Reports Prepared in Previous Period*

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.

5.2 *Data Generated in Previous Period*

None.

5.3 *Actions to be Completed Next Period*

- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan

5.4 *Problems Encountered and Remedies*

No problems were encountered during the previous month.

5.5 Schedule Update

All removal action work associated with NTCRA-Basins is complete.

6.0 GROUNDWATER AND LEACHATE TREATMENT PLANT O&M

6.1 Actions Taken and Reports Prepared in Previous Period

- Maintenance was performed on the SBR blower BL-004, treatment plant air compressor, dryer system, boiler, and fire system.
- TW-2 pump and level transducer were removed from the well. Pump and transducer were disassembled for evaluation and a new pump and transducer are scheduled for installation in January 2018.
- The GLTP operated and discharged to the South Fork Shenandoah River (River) for 92 days from October 1 to December 31, 2017.

Discharge Monitoring

Discharge monitoring was completed as required by the July 24, 2014 VADEQ final Fact Sheet and Applicable or Relevant and Appropriate Requirements (ARARs) for the discharge of effluent from the GLTP. Monthly discharge monitoring included: flow, pH, TSS, BOD₅, and carbon disulfide. One per five year sampling was conducted on the effluent during the fourth quarter. The daily and monthly flow and chemical data are listed in the Discharge Monitoring Reports (DMRs) submitted during the fourth quarter of 2017 provided in Attachment 3 and summarized below.

Table 1.0 Summary of 4Q17 Monthly Effluent Sampling

	Permitted Limits	October 2017 (month avg/daily max)	November 2017 (month avg/daily max)	December 2017 (month avg/daily max)
Flow(gpd)	0.396 MGD	0.066/0.095	0.063/0.097	0.063/0.089
pH (range)	6.5 – 9.0	7.07-7.77	7.42-8.00	7.49-8.10
TSS (mg/L)	40 / 130	0.0/0.0	0.0/0.0	0.9/3.4
BOD ₅ (mg/L)	24 / 64	0.0/0.0	0.0/0.0	0.8/3.0

CS2 (ug/L)	No limit established. 0.1mg/l action level	<QL	<QL	<QL
WET (TUa) <i>w/Ceriodaphnia dubia</i>	No limit established.	Not sampled	Not sampled	Not sampled
WET (TUa) <i>w/Pimephales promelas</i>	No limit established	Not sampled	Not sampled	Not sampled

*Where parameters non-detect, the value '0' was used for calculating average and maximum concentrations.

- *Flow.* Flow during discharge was monitored continuously. Additionally, flow rates for the lift stations, test wells and viscose basins for the months of October, November, and December are provided in Table 3.2 (Attachment 3).
- *pH.* pH was monitored continuously during the days that discharge occurred. The pH monitoring results for each month are included in Attachment 3 with the monthly DMRs. The effluent pH was within the range of 6.5 to 9.0 specified in the ARARs.
- *TSS.* TSS was monitored weekly. The permitted monthly daily average limit for TSS of 40 mg/l and the permitted monthly maximum daily limit of 130 mg/l for TSS were not exceeded during this reporting period.
- *BOD₅.* BOD₅ was monitored weekly. The permitted monthly daily average limit for BOD₅ of 24 mg/l and the permitted monthly maximum daily limit of 64 mg/l for BOD₅ were not exceeded during this reporting period.
- *Carbon Disulfide.* Carbon Disulfide was monitored monthly and no limit is established in the ARARs. The results for the monthly samples collected in the fourth quarter of 2017 were less than the 0.1 mg/l monthly action level specified in the ARARs.
- *Whole Effluent Toxicity (WET).* Whole Effluent Toxicity monitoring will be conducted on an annual basis. No results have been >1.0 to-date.

Rainfall Data

Table 3.1 (Attachment 3) shows that a total of 10.1 inches of precipitation fell on the Site during the fourth quarter of 2017 (Oct., Nov., Dec.). The total precipitation for 2017 to-date is 30.4 inches, representing to-date 77% of the average Site total yearly precipitation (39.6 inches).

6.2

Data Generated in Previous Period

Discharge monitoring, rainfall data and flow totals for the lift stations, test wells and viscose basin are contained in Attachment 3. DMRs were submitted by the tenth of each month.

6.3

Actions to be Taken Next Period

- Continue GLTP operations and maintenance and operate the GLTP biological system in continuous mode.

6.4

Problems Encountered and Remedies

None.

6.5

Schedule Update

The GLTP will continue to operate in full continuous mode.

7.0

OTHER SITE SUPPORT DOCUMENTS

7.1

Actions Taken and Reports Prepared in Previous Period

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports completed.

7.2

Actions to be Taken Next Period

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports to be completed.

8.0

COMMUNITY RELATIONS SUPPORT

- No activity during the previous period.

ATTACHMENTS

- 1 Summary of Monthly Correspondence
- 2 OU-7 and Site Perimeter Air Monitoring Results
- 3 GLTP Discharge Monitoring and Information
Discharge Monitoring Reports, 1 October to 31 December 2017
Table 3.1 – Site Rainfall Data
- 4 Table 3.2 - Monthly Flow Totals Avtex Site Lift Stations, Test Wells and Viscose Basin
- 4 Preliminary Site-Wide Quarterly Inspection (with repairs photo log)

Attachment 1
Summary of Quarterly
Correspondence

ATTACHMENT 1 – LIST OF CORRESPONDENCE AND DELIVERABLES FOR THE PERIOD OCTOBER 1, 2017 TO DECEMBER 31, 2017, AVTEX FIBERS SUPERFUND SITE, FRONT ROYAL, VIRGINIA

FMC to VADEQ

October 10, 2017. Discharge Monitoring Report – September 2017 submitted to VADEQ and EPA

November 8, 2017. Discharge Monitoring Report – October 2017 submitted to VADEQ and EPA

November 14, 2017. Front Royal WET Sampling Summary submitted to VADEQ

VADEQ to Parsons/ FMC

November 20, 2017. Approval to reduce WET sampling from quarterly to annually

FMC to EPA

October 6, 2017. Responses to EPAs Avtex Five Year Review Information Request

October 13, 2017. Response to Comments – *2015 Groundwater, Surface Water, and Sediment Monitoring Report for the Avtex Fiber Site*, Front Royal VA submitted to EPA

EPA to FMC

December 18, 2017. Avtex Five Year Review Inquiry.

Note: November 2017 Discharge Monthly Report and the 3Q2017 Quarterly Progress Report have been submitted to the VADEQ and EPA respectively but will be included in the next Quarterly Report.

Attachment 2

*OU-7 and Site Perimeter Air
Monitoring Results*

Table 4 - Example Air Monitoring Form

Date:
Technician:

12/21/17
Robinson + Anderson

Gas Monitoring Devices:
Jerome 631X (low-level H₂S)
MiniRAE PLUS with 10.6 eV lamp
CS2 Drager with qualitative ppm tube
MiniRAE PLUS with LEL

Used (Y/N)	Calibrated (Y/N)	Date Calibrated	Initials
Y	Y	1/13/17	MGR
Y	Y	12/21/17	MGR

Air Samples Collected?

yes
 no

Weather Conditions:

Precipitation (current)	<input type="checkbox"/> rain	<input type="checkbox"/> snow	<input type="checkbox"/> sleet	<input type="checkbox"/> mix	<input type="checkbox"/> other
Temperature (current)	<input type="checkbox"/> light	<input type="checkbox"/> moderate	<input type="checkbox"/> heavy	<u>35° F</u>	
Wind Direction (blowing from)	<input type="checkbox"/> N	<input type="checkbox"/> NE	<input type="checkbox"/> E	<input type="checkbox"/> SE	<input type="checkbox"/> variable
Approximate Wind Speed	<input type="checkbox"/> S	<input type="checkbox"/> SW	<input type="checkbox"/> W	<input type="checkbox"/> NW	<u>NNW</u>
Cloud Cover	<input checked="" type="checkbox"/> clear	<input type="checkbox"/> lt. clouds	<input type="checkbox"/> overcast	<input type="checkbox"/> foggy	
Barometric Pressure	<u>30.25</u>	mph	<u>2</u>	inches	

Monitoring Location	Time	H ₂ S (ppm)	Organic (ppm)	CS2 (ppm)	Methane (%LEL)	Comments
OU-7 Perimeter						
N	1025	0.000	0.0			
NE	1023	0.000	0.0			
SE	1032	0.000	0.0			
S	1029	0.000	0.0			
SW	1028	0.000	0.0			
NW	1026	0.000	0.0			
Site Perimeter <u>W</u>	1052	0.000	0.0			
N	1100	0.000	0.0			
NE	1041	0.000	0.0			
E	1038	0.000	0.0			
SE	1034	0.000	0.0			
S	1045	0.000	0.0			
SW	1049	0.000	0.0			
NW	1056	0.000	0.0			
Downwind (note location <u>ESSE</u>)	1036	0.000	0.0			

Summarize activities occurring on-site
that might relate to air emissions:

GW treatment

FIGURE 1
AIR MONITORING LOCATIONS
DURING OU-7 WORK
AVTEX FIBERS SUPERFUND SITE
FRONT ROYAL, VIRGINIA



Attachment 3

*GLTP Discharge Monitoring and
Information*

Table 3.1
Site Rainfall Data Avtex Fibers Superfund Site 1 October - December 31, 2017

Month	Average Rainfall for Winchester, VA (in)*	Average Site Rainfall 1990-2013 (in)	2006 Actual Rainfall (in)	2007 Actual Rainfall (in)	2008 Actual Rainfall (in)	2009 Actual Rainfall (in)	2010 Actual Rainfall (in)	2011 Actual Rainfall (in)	2012 Actual Rainfall (in)	2013 Actual Rainfall (in)	2014 Actual Rainfall (in)	2015 Actual Rainfall (in)	2016 Actual Rainfall (in)	2017 Actual Rainfall (in)	Percent of Average Site Rainfall (%)
January	2.4	2.7	2.0	1.2	1.0	1.4	3.35	0.9	2.0	3.8	1.1	1.4	1.2	2.5	93%
February	2.5	2.3	1.7	1.9	2.3	0.0	4.35	1.4	2.3	0.9	3.2	0.7	2.2	0.8	33%
March	3.1	3.6	0.1	3.7	2.9	1.5	5.7	4.6	1.9	3.9	2.3	1.7	1.0	2.4	68%
April	3.1	3.2	2.8	3.4	6.2	3.2	1.59	6.5	2.5	1.3	1.5	2.9	1.3	1.7	53%
May	3.7	3.8	1.0	1.9	5.2	5.8	3.25	5.6	3.6	2.4	7.2	1.6	3.9	7.0	184%
June	3.9	4.4	9.7	3.5	4.3	4.6	0.6	4.0	3.6	5.2	1.5	3.9	3.8	1.3	29%
July	3.9	3.4	2.2	1.7	3.8	3.0	1.8	3.1	4.3	1.9	4.6	1.8	5.4	6.7	197%
August	3.5	3.1	1.3	2.8	3.5	2.1	3.3	3.4	5.2	2.6	3.7	1.0	2.3	2.1	68%
September	3.1	4.7	6.1	2.0	4.3	1.3	5.7	5.5	4.9	2.5	1.6	3.6	6.1	1.3	27%
October	3.2	3.0	4.3	4.1	1.2	2.7	0.65	3.9	4.3	5.1	5.17	1.65	0.6	3.5	116%
November	3.1	2.9	5.2	1.6	2.5	3.7	1.8	3.0	1.1	1.6	1.83	1.36	0.8	0.9	32%
December	2.5	2.6	0.7	2.8	1.4	5.0	2.0	3.6	1.55	1.5	3.02	2.46	1.5	0.4	14%
Totals to Date	37.9	39.6	36.9	30.4	38.5	34.2	34.1	45.2	37.0	32.8	36.7	24.1	30.0	30.4	77%

* Source: National Climate Data Center TD 9641 Clim 81

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

October 2017									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
10/1/2017	0.000	10/1/2017	0.065	0.000	0.000	10/1/2017	0.015	0.000	0.000
10/2/2017	0.002	10/2/2017	0.065	0.000	0.000	10/2/2017	0.015	0.000	0.001
10/3/2017	0.013	10/3/2017	0.065	0.003	0.000	10/3/2017	0.015	0.000	0.001
10/4/2017	0.013	10/4/2017	0.065	0.003	0.000	10/4/2017	0.015	0.000	0.001
10/5/2017	0.002	10/5/2017	0.065	0.000	0.000	10/5/2017	0.015	0.000	0.001
10/6/2017	0.001	10/6/2017	0.064	0.003	0.010	10/6/2017	0.015	0.000	0.001
10/7/2017	0.000	10/7/2017	0.065	0.003	0.010	10/7/2017	0.015	0.000	0.001
10/8/2017	0.003	10/8/2017	0.065	0.000	0.000	10/8/2017	0.015	0.000	0.000
10/9/2017	0.010	10/9/2017	0.065	0.000	0.000	10/9/2017	0.015	0.000	0.001
10/10/2017	0.010	10/10/2017	0.065	0.000	0.000	10/10/2017	0.015	0.000	0.001
10/11/2017	0.000	10/11/2017	0.065	0.000	0.000	10/11/2017	0.015	0.000	0.000
10/12/2017	0.000	10/12/2017	0.065	0.000	0.000	10/12/2017	0.015	0.000	0.000
10/13/2017	0.003	10/13/2017	0.065	0.000	0.000	10/13/2017	0.015	0.000	0.001
10/14/2017	0.005	10/14/2017	0.065	0.000	0.000	10/14/2017	0.015	0.000	0.001
10/15/2017	0.005	10/15/2017	0.065	0.000	0.000	10/15/2017	0.015	0.000	0.000
10/16/2017	0.000	10/16/2017	0.065	0.002	0.000	10/16/2017	0.015	0.000	0.001
10/17/2017	0.001	10/17/2017	0.065	0.002	0.000	10/17/2017	0.015	0.000	0.001
10/18/2017	0.007	10/18/2017	0.065	0.000	0.000	10/18/2017	0.015	0.000	0.000
10/19/2017	0.007	10/19/2017	0.065	0.000	0.000	10/19/2017	0.015	0.000	0.000
10/20/2017	0.000	10/20/2017	0.065	0.000	0.000	10/20/2017	0.015	0.000	0.001
10/21/2017	0.000	10/21/2017	0.065	0.000	0.000	10/21/2017	0.015	0.000	0.001
10/22/2017	0.000	10/22/2017	0.065	0.000	0.000	10/22/2017	0.015	0.000	0.000
10/23/2017	0.008	10/23/2017	0.065	0.000	0.000	10/23/2017	0.015	0.000	0.001
10/24/2017	0.008	10/24/2017	0.065	0.000	0.000	10/24/2017	0.015	0.000	0.001
10/25/2017	0.000	10/25/2017	0.065	0.000	0.000	10/25/2017	0.015	0.000	0.000
10/26/2017	0.000	10/26/2017	0.065	0.000	0.000	10/26/2017	0.015	0.000	0.000
10/27/2017	0.000	10/27/2017	0.065	0.006	0.000	10/27/2017	0.015	0.000	0.001
10/28/2017	0.001	10/28/2017	0.065	0.006	0.000	10/28/2017	0.000	0.000	0.001
10/29/2017	0.002	10/29/2017	0.065	0.000	0.000	10/29/2017	0.000	0.000	0.001
10/30/2017	0.025	10/30/2017	0.065	0.000	0.000	10/30/2017	0.000	0.000	0.002
10/31/2017	0.025	10/31/2017	0.065	0.000	0.000	10/31/2017	0.000	0.000	0.002

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

November 2017									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
11/1/2017	0.003	11/1/2017	0.065	0.000	0.000	11/1/2017	0.000	0.000	0.002
11/2/2017	0.001	11/2/2017	0.065	0.000	0.000	11/2/2017	0.000	0.000	0.002
11/3/2017	0.006	11/3/2017	0.065	0.000	0.000	11/3/2017	0.000	0.000	0.003
11/4/2017	0.006	11/4/2017	0.065	0.000	0.000	11/4/2017	0.000	0.000	0.003
11/5/2017	0.001	11/5/2017	0.065	0.000	0.000	11/5/2017	0.000	0.000	0.003
11/6/2017	0.005	11/6/2017	0.065	0.000	0.000	11/6/2017	0.000	0.000	0.004
11/7/2017	0.014	11/7/2017	0.065	0.000	0.000	11/7/2017	0.000	0.000	0.004
11/8/2017	0.021	11/8/2017	0.065	0.000	0.000	11/8/2017	0.000	0.000	0.005
11/9/2017	0.021	11/9/2017	0.065	0.000	0.000	11/9/2017	0.000	0.000	0.005
11/10/2017	0.002	11/10/2017	0.065	0.000	0.000	11/10/2017	0.000	0.000	0.005
11/11/2017	0.007	11/11/2017	0.065	0.000	0.000	11/11/2017	0.000	0.000	0.005
11/12/2017	0.007	11/12/2017	0.065	0.000	0.000	11/12/2017	0.000	0.000	0.005
11/13/2017	0.003	11/13/2017	0.065	0.000	0.000	11/13/2017	0.000	0.000	0.007
11/14/2017	0.001	11/14/2017	0.065	0.002	0.000	11/14/2017	0.000	0.000	0.007
11/15/2017	0.007	11/15/2017	0.065	0.002	0.000	11/15/2017	0.000	0.000	0.007
11/16/2017	0.007	11/16/2017	0.065	0.000	0.000	11/16/2017	0.000	0.000	0.007
11/17/2017	0.002	11/17/2017	0.065	0.000	0.000	11/17/2017	0.000	0.001	0.000
11/18/2017	0.002	11/18/2017	0.065	0.000	0.000	11/18/2017	0.000	0.001	0.000
11/19/2017	0.007	11/19/2017	0.065	0.000	0.000	11/19/2017	0.000	0.001	0.000
11/20/2017	0.007	11/20/2017	0.065	0.000	0.000	11/20/2017	0.000	0.001	0.000
11/21/2017	0.001	11/21/2017	0.065	0.000	0.000	11/21/2017	0.000	0.001	0.000
11/22/2017	0.001	11/22/2017	0.065	0.003	0.000	11/22/2017	0.002	0.000	0.000
11/23/2017	0.007	11/23/2017	0.065	0.003	0.000	11/23/2017	0.002	0.000	0.000
11/24/2017	0.007	11/24/2017	0.065	0.000	0.000	11/24/2017	0.002	0.000	0.000
11/25/2017	0.000	11/25/2017	0.065	0.000	0.000	11/25/2017	0.002	0.000	0.000
11/26/2017	0.000	11/26/2017	0.065	0.000	0.000	11/26/2017	0.002	0.000	0.000
11/27/2017	0.010	11/27/2017	0.062	0.000	0.000	11/27/2017	0.002	0.000	0.000
11/28/2017	0.010	11/28/2017	0.064	0.000	0.000	11/28/2017	0.002	0.000	0.000
11/29/2017	0.001	11/29/2017	0.065	0.003	0.000	11/29/2017	0.003	0.000	0.001
11/30/2017	0.001	11/30/2017	0.019	0.003	0.000	11/30/2017	0.005	0.000	0.001

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

December 2017									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
12/1/2017	0.007	12/1/2017	0.000	0.000	0.000	12/1/2017	0.007	0.000	0.001
12/2/2017	0.007	12/2/2017	0.000	0.000	0.000	12/2/2017	0.007	0.000	0.001
12/3/2017	0.000	12/3/2017	0.000	0.000	0.000	12/3/2017	0.007	0.000	0.001
12/4/2017	0.002	12/4/2017	0.000	0.000	0.000	12/4/2017	0.009	0.000	0.001
12/5/2017	0.007	12/5/2017	0.000	0.000	0.000	12/5/2017	0.009	0.001	0.001
12/6/2017	0.007	12/6/2017	0.000	0.000	0.000	12/6/2017	0.002	0.001	0.001
12/7/2017	0.001	12/7/2017	0.000	0.000	0.000	12/7/2017	0.005	0.001	0.001
12/8/2017	0.001	12/8/2017	0.000	0.000	0.000	12/8/2017	0.006	0.001	0.001
12/9/2017	0.006	12/9/2017	0.000	0.000	0.000	12/9/2017	0.006	0.001	0.002
12/10/2017	0.006	12/10/2017	0.000	0.000	0.000	12/10/2017	0.006	0.001	0.002
12/11/2017	0.002	12/11/2017	0.000	0.000	0.000	12/11/2017	0.006	0.002	0.002
12/12/2017	0.001	12/12/2017	0.000	0.000	0.000	12/12/2017	0.001	0.002	0.002
12/13/2017	0.005	12/13/2017	0.000	0.000	0.000	12/13/2017	0.001	0.000	0.002
12/14/2017	0.005	12/14/2017	0.000	0.000	0.000	12/14/2017	0.003	0.000	0.002
12/15/2017	0.002	12/15/2017	0.000	0.000	0.000	12/15/2017	0.003	0.000	0.002
12/16/2017	0.001	12/16/2017	0.000	0.000	0.000	12/16/2017	0.003	0.000	0.002
12/17/2017	0.001	12/17/2017	0.000	0.000	0.000	12/17/2017	0.003	0.000	0.003
12/18/2017	0.007	12/18/2017	0.000	0.000	0.000	12/18/2017	0.003	0.000	0.003
12/19/2017	0.007	12/19/2017	0.000	0.000	0.000	12/19/2017	0.006	0.000	0.003
12/20/2017	0.001	12/20/2017	0.000	0.000	0.000	12/20/2017	0.008	0.000	0.003
12/21/2017	0.001	12/21/2017	0.000	0.000	0.000	12/21/2017	0.010	0.000	0.003
12/22/2017	0.007	12/22/2017	0.000	0.000	0.000	12/22/2017	0.010	0.000	0.003
12/23/2017	0.007	12/23/2017	0.000	0.000	0.000	12/23/2017	0.011	0.000	0.003
12/24/2017	0.000	12/24/2017	0.000	0.000	0.000	12/24/2017	0.011	0.000	0.003
12/25/2017	0.000	12/25/2017	0.000	0.000	0.000	12/25/2017	0.011	0.000	0.003
12/26/2017	0.000	12/26/2017	0.000	0.000	0.000	12/26/2017	0.011	0.000	0.004
12/27/2017	0.000	12/27/2017	0.000	0.000	0.000	12/27/2017	0.012	0.000	0.004
12/28/2017	0.012	12/28/2017	0.000	0.000	0.000	12/28/2017	0.012	0.000	0.004
12/29/2017	0.012	12/29/2017	0.000	0.000	0.000	12/29/2017	0.012	0.001	0.004
12/30/2017	0.001	12/30/2017	0.000	0.000	0.000	12/30/2017	0.012	0.001	0.004
12/31/2017	0.001	12/31/2017	0.000	0.000	0.000	12/31/2017	0.013	0.001	0.004



FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
USA

Transmitted via Email

215.299.6000
fmc.com

October 10, 2017

Department of Environmental Quality - CO
Office of Remediation Program
P.O. Box 1105
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – September 2017
Avtex Fibers Superfund Site
Front Royal, Virginia

Dear Ms Payne:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of September 2017. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

Please do not hesitate to call if there are any questions.

Sincerely,

FMC Corporation

Brian M. McGinnis, P.E.
Manager, Environmental Remediation

cc: via Email
Brandon Kiracofe, DEQ
Jeffrey Thomas, USEPA
Heather Philip, Parsons

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004								
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:			23218							
ADDRESS:	404 Kendrick Lane						DISCHARGE NUMBER													
	Front Royal, VA 22630									DESCRIPTION:										
FACILITY:	AVTEX FIBERS						MONITORING PERIOD			GLTP EFFLUENT (OUTFALL 004)										
LOCATION:	FRONT ROYAL, VA						YEAR	MO	DAY	YEAR	MO	DAY	External Outfall							
ATTN:							FROM	17	09	01	TO	17	09	30	No Discharge					
PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE									
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS													
ACENAPHTHENE	<QL	<QL	KG/D	*****	<QL	<QL	μg/L				8 HC									
34205 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV		0.088 DAILY MAX	*****	22 MONTHLY AV		59 DAILY MIX				1/365	8 HC							
ACENAPHTHYLENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC									
34200 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX					1/365	8 HC							
ACRYLONITRILE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC									
34215 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.14 MONTHLY AV	0.36 DAILY MAX		*****	96 MONTHLY AV	242 DAILY MAX					1/365	8 HC							
ANTHRACENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC									
34220 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX					1/365	8 HC							
BENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC									
34030 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.055 MONTHLY AV	0.20 DAILY MAX		*****	37 MONTHLY AV	136 DAILY MAX					1/365	8 HC							
BENZO(A)ANTHRACENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC									
34526 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX					1/365	8 HC							
3,4-BENZOFUORANTHENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC									
79531 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.034 MONTHLY AV	0.091 DAILY MAX		*****	23 MONTHLY AV	61 DAILY MAX					1/365	8 HC							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE								
Christina Kaba																				
Director EHS Remediation/Governance																				
TYPED OR PRINTED									SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047							
COMMENT AND EXPLANATION OF ANY VIOLATIONS									(Reference all attachments here)						OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.														PAGE	2 OF 10					

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004							
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:			23218						
	ADDRESS:	404 Kendrick Lane			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:								
Front Royal, VA 22630									GLTP EFFLUENT (OUTFALL 004)										
FACILITY:	AVTEX FIBERS						MONITORING PERIOD			External Outfall									
				LOCATION:	ATTN:	YEAR	MO	DAY	YEAR	MO	DAY				No Discharge				
FROM	17	09	01			TO	17	09	30										
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO.	EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE						
				VALUE	VALUE	UNITS	VALUE	VALUE	UNITS										
BENZO(K)FLUORANTHENE	SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****	<QL	<QL	μg/L			8 HC						
34242 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV		0.088 DAILY MAX			*****	22 MONTHLY AV	59 DAILY MAX				1/365		8 HC				
BENZO(A)PYRENE	SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****	<QL	<QL	μg/L			8 HC						
34247 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.034 MONTHLY AV		0.091 DAILY MAX			*****	23 MONTHLY AV	61 DAILY MAX				1/365		8 HC				
BIS(2-ETHYLHEXYL)PHTHALATE	SAMPLE MEASUREMENT					KG/D	*****	1.29	1.29	μg/L			8 HC						
39100 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.15 MONTHLY AV		0.42 DAILY MAX			*****	103 MONTHLY AV	279 DAILY MAX				1/365		8 HC				
CARBON TETRACHLORIDE	SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****	<QL	<QL	μg/L			8 HC						
32102 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.027 MONTHLY AV		0.057 DAILY MAX			*****	18 MONTHLY AV	38 DAILY MAX				1/365		8 HC				
CHLOROBENZENE	SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****	<QL	<QL	μg/L			8 HC						
34301 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.022 MONTHLY AV		0.042 DAILY MAX			*****	15 MONTHLY AV	28 DAILY MAX				1/365		8 HC				
CHLOROETHANE	SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****	<QL	<QL	μg/L			8 HC						
34311 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.16 MONTHLY AV		0.40 DAILY MAX			*****	104 MONTHLY AV	268 DAILY MAX				1/365		8 HC				
CHLOROFORM	SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****	<QL	<QL	μg/L			8 HC						
32106 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.031 MONTHLY AV		0.069 DAILY MAX			*****	21 MONTHLY AV	46 DAILY MAX				1/365		8 HC				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE							
Christina Kaba																			
Director EHS Remediation/Governance																		17 10 10	
TYPED OR PRINTED															SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)						OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY			
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.														PAGE	3 OF 10				

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

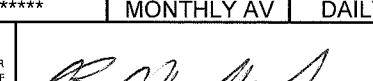
OMB No. 2040-004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)														OMB No. 2040-004						
NAME:	Avtex Fibers									004		DMR MAILING ZIP CODE:			23218					
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER		DESCRIPTION:								
	Front Royal, VA 22630											GLTP EFFLUENT (OUTFALL 004)								
FACILITY:	AVTEX FIBERS						MONITORING PERIOD					External Outfall								
LOCATION:	FRONT ROYAL, VA						YEAR	MO	DAY	YEAR	MO	DAY				No Discharge				
ATTN:				FROM	17	09	01	TO	17	09	30									
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS										
2-CHLOROPHENOL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
34586 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.046 MONTHLY AV	0.15 DAILY MAX		*****	31 MONTHLY AV	98 DAILY MAX									1/365	8 HC			
CHRYSENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
34320 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX									1/365	8 HC			
DI-N-BUTYLPHthalATE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
39110 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.040 MONTHLY AV	0.085 DAILY MAX		*****	27 MONTHLY AV	57 DAILY MAX									1/365	8 HC			
1,2-DICHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
34536 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.12 MONTHLY AV	0.24 DAILY MAX		*****	77 MONTHLY AV	163 DAILY MAX									1/365	8 HC			
1,3-DICHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
34566 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.046 MONTHLY AV	0.066 DAILY MAX		*****	31 MONTHLY AV	44 DAILY MAX									1/365	8 HC			
1,4-DICHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
34571 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.022 MONTHLY AV	0.042 DAILY MAX		*****	15 MONTHLY AV	28 DAILY MAX									1/365	8 HC			
1,1-DICHLOROETHANE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L							8 HC					
34496 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX									1/365	8 HC			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE								
Christina Kaba																				
Director EHS Remediation/Governance																				
TYPED OR PRINTED									SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047							
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)						OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY				
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																PAGE	5 OF 10			

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-006

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																				OMB No. 2040-004		
NAME:	Avtex Fibers									004									DMR MAILING ZIP CODE:	23218		
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER												
	Front Royal, VA 22630																		DESCRIPTION:			
FACILITY:	AVTEX FIBERS						MONITORING PERIOD												GLTP EFFLUENT (OUTFALL 004)			
LOCATION:	FRONT ROYAL, VA						FROM	YEAR 17	MO 09	DAY 01	TO	YEAR 17	MO 09	DAY 30				External Outfall				
ATTN:																			No Discharge			
PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE											
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE															
2,4-DIMETHYLPHENOL	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
34606 1 0 EFFLUENT GROSS	0.027 PERMIT REQUIREMENT	0.054 MONTHLY AV DAILY MAX		*****	18 MONTHLY AV	36 DAILY MAX						1/365	8 HC									
DIMETHYLPHthalATE	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
34341 1 0 EFFLUENT GROSS	0.028 PERMIT REQUIREMENT	0.070 MONTHLY AV DAILY MAX		*****	19 MONTHLY AV	47 DAILY MAX						1/365	8 HC									
4,6-DINITRO-O-CRESOL	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
34657 1 0 EFFLUENT GROSS	0.12 PERMIT REQUIREMENT	0.42 MONTHLY AV DAILY MAX		*****	78 MONTHLY AV	277 DAILY MAX						1/365	8 HC									
2,4-DINITROPHENOL	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
34616 1 0 EFFLUENT GROSS	0.11 PERMIT REQUIREMENT	0.18 MONTHLY AV DAILY MAX		*****	71 MONTHLY AV	123 DAILY MAX						1/365	8 HC									
2,4-DINITROTOLUENE	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
34611 1 0 EFFLUENT GROSS	0.17 PERMIT REQUIREMENT	0.43 MONTHLY AV DAILY MAX		*****	113 MONTHLY AV	285 DAILY MAX						1/365	8 HC									
2,6-DINITROTOLUENE	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
34626 1 0 EFFLUENT GROSS	0.38 PERMIT REQUIREMENT	0.96 MONTHLY AV DAILY MAX		*****	255 MONTHLY AV	641 DAILY MAX						1/365	8 HC									
ETHYL BENZENE	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC											
37371 1 0 EFFLUENT GROSS	0.048 PERMIT REQUIREMENT	0.16 MONTHLY AV DAILY MAX		*****	32 MONTHLY AV	108 DAILY MAX						1/365	8 HC									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE										
Christina Kaba Director EHS Remediation/Governance																						
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047												
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)			OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004								
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:			23218							
	ADDRESS:	404 Kendrick Lane						DISCHARGE NUMBER						DESCRIPTION:						
		Front Royal, VA 22630												GLTP EFFLUENT (OUTFALL 004)						
FACILITY:		AVTEX FIBERS						MONITORING PERIOD						External Outfall						
	LOCATION:	FRONT ROYAL, VA						YEAR	MO	DAY	YEAR	MO	DAY							
								FROM	17	09	01	TO	17	09	30	No Discharge				
ATTN:																				
PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE							
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE									
FLUORANTHENE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****			μg/L			8 HC								
34376 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.037 MONTHLY AV	0.10 DAILY MAX		*****	25 MONTHLY AV	68 DAILY MAX				1/365		8 HC						
FLUORENE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****			μg/L			8 HC								
34381 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX				1/365		8 HC						
HEXACHLOROBENZENE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****			μg/L			8 HC								
39700 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.022 MONTHLY AV	0.042 DAILY MAX		*****	15 MONTHLY AV	28 DAILY MAX				1/365		8 HC						
HEXACHLOROBUTADIENE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****			μg/L			8 HC								
34391 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.030 MONTHLY AV	0.073 DAILY MAX		*****	20 MONTHLY AV	49 DAILY MAX				1/365		8 HC						
HEXACHLOROETHANE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****			μg/L			8 HC								
34396 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.031 MONTHLY AV	0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX				1/365		8 HC						
METHYL CHLORIDE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC								
34418 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.13 MONTHLY AV	0.28 DAILY MAX		*****	86 MONTHLY AV	190 DAILY MAX				1/365		8 HC						
METHYLENE CHLORIDE		SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC								
34423 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	0.060 MONTHLY AV	0.13 DAILY MAX		*****	40 MONTHLY AV	89 DAILY MAX				1/365		8 HC						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE								
Christina Kaba																		17	10	10
Director EHS Remediation/Governance																				
TYPED OR PRINTED												SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047				
												OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)																	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.												PAGE			7 OF 10					

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												
NAME:	Avtex Fibers						004		DMR MAILING ZIP CODE:			23218
ADDRESS:	404 Kendrick Lane Front Royal, VA 22630				PERMIT NUMBER		DISCHARGE NUMBER		DESCRIPTION:			
FACILITY:	AVTEX FIBERS				MONITORING PERIOD				GLTP EFFLUENT (OUTFALL 004)			
LOCATION:	FRONT ROYAL, VA			FROM	YEAR 17	MO 09	DAY 01	TO	YEAR 17	MO 09	DAY 30	External Outfall
ATTN:												No Discharge

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
NAPHTHALENE	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34696 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		22 MONTHLY AV	59 DAILY MAX			μg/L	1/365
NITROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34447 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.040 MONTHLY AV	0.10 DAILY MAX		27 MONTHLY AV	68 DAILY MAX			μg/L	1/365
2-NITROPHENOL	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34591 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.061 MONTHLY AV	0.10 DAILY MAX		41 MONTHLY AV	69 DAILY MAX			μg/L	1/365
4-NITROPHENOL	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34646 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.11 MONTHLY AV	0.19 DAILY MAX		72 MONTHLY AV	124 DAILY MAX			μg/L	1/365
PHENANTHRENE	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34461 1 0	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		22 MONTHLY AV	59 DAILY MAX			μg/L	1/365
PHENOL	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34694 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.022 MONTHLY AV	0.039 DAILY MAX		15 MONTHLY AV	26 DAILY MAX			μg/L	1/365
PYRENE	SAMPLE MEASUREMENT	<QL	<QL	*****	<QL	<QL	*****	*****	*****	8 HC
34469 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.037 MONTHLY AV	0.10 DAILY MAX		25 MONTHLY AV	67 DAILY MAX			μg/L	1/365

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		TELEPHONE	DATE
Christina Kaba				
Director EHS Remediation/Governance				17 10 10

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004					
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:			23218				
	ADDRESS:	404 Kendrick Lane			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:						
		Front Royal, VA 22630									GLTP EFFLUENT (OUTFALL 004)						
FACILITY:	AVTEX FIBERS						MONITORING PERIOD			External Outfall							
				YEAR	MO	DAY	YEAR	MO	DAY				No Discharge				
LOCATION:	FRONT ROYAL, VA			FROM	17	09	01	TO	17	09	30						
ATTN:																	
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
				VALUE	VALUE	UNITS	VALUE	VALUE	UNITS								
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC					
34475 1 0	PERMIT REQUIREMENT	0.033	0.084		*****	22	56		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
TOLUENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC					
34010 1 0	PERMIT REQUIREMENT	0.039	0.12		*****	26	80		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
CHROMIUM, TOTAL	SAMPLE MEASUREMENT			KG/D	*****	4.2	4.2	µg/L				8 HC					
01118 1 0	PERMIT REQUIREMENT	1.66	4.15		*****	1,110	2,770		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
COPPER, TOTAL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC					
01119 1 0	PERMIT REQUIREMENT	2.17	5.07		*****	1,450	3,380		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
CYANIDE, TOTAL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	µg/L				8 HC					
00720 1 0	PERMIT REQUIREMENT	0.63	1.80		*****	420	1,200		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
LEAD, TOTAL	SAMPLE MEASUREMENT			KG/D	*****	2.5	2.5	µg/L				8 HC					
01114 1 0	PERMIT REQUIREMENT	0.48	1.03		*****	320	690		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
NICKEL, TOTAL	SAMPLE MEASUREMENT			KG/D	*****	16.9	16.9	µg/L				8 HC					
01074 1 0	PERMIT REQUIREMENT	2.53	5.97		*****	1,690	3,980		DAILY MAX				1/365	8 HC			
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.				SIGNATURE OF PRINCIPAL EXECUTIVE			TELEPHONE		DATE				
Christina Kaba											215 299-6047		12		10		
Director EHS Remediation/Governance											OFFICER OR AUTHORIZED AGENT		AREA	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED																	
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)								PAGE 9 OF 10					
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

EPA Form 3320-1 (Rev 01/06) Previous editions may be used.

(Reference all attachments here)

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Avtex Fibers
Front Royal, VA
Outfall 004
September 2017 DMR

pH Calculations:

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/1/2017 12:00 AM	7.24	9/2/2017 12:00 AM	7.12	9/3/2017 12:00 AM	7.28
9/1/2017 12:15 AM	7.23	9/2/2017 12:15 AM	7.12	9/3/2017 12:15 AM	7.27
9/1/2017 12:30 AM		9/2/2017 12:30 AM	7.23	9/3/2017 12:30 AM	7.26
9/1/2017 12:45 AM	7.15	9/2/2017 12:45 AM	7.31	9/3/2017 12:45 AM	7.26
9/1/2017 1:00 AM	7.14	9/2/2017 1:00 AM	7.31	9/3/2017 1:00 AM	7.25
9/1/2017 1:15 AM	7.10	9/2/2017 1:15 AM	7.30	9/3/2017 1:15 AM	7.24
9/1/2017 1:30 AM	7.25	9/2/2017 1:30 AM	7.28	9/3/2017 1:30 AM	7.24
9/1/2017 1:45 AM	7.29	9/2/2017 1:45 AM	7.27	9/3/2017 1:45 AM	7.23
9/1/2017 2:00 AM	7.28	9/2/2017 2:00 AM	7.26	9/3/2017 2:00 AM	7.24
9/1/2017 2:15 AM	7.27	9/2/2017 2:15 AM	7.25	9/3/2017 2:15 AM	7.15
9/1/2017 2:30 AM	7.26	9/2/2017 2:30 AM	7.24	9/3/2017 2:30 AM	7.14
9/1/2017 2:45 AM	7.25	9/2/2017 2:45 AM	7.23	9/3/2017 2:45 AM	7.13
9/1/2017 3:00 AM	7.25	9/2/2017 3:00 AM	7.23	9/3/2017 3:00 AM	7.13
9/1/2017 3:15 AM	7.24	9/2/2017 3:15 AM	7.22	9/3/2017 3:15 AM	7.21
9/1/2017 3:30 AM	7.23	9/2/2017 3:30 AM	7.22	9/3/2017 3:30 AM	7.32
9/1/2017 3:45 AM	7.23	9/2/2017 3:45 AM	7.21	9/3/2017 3:45 AM	7.33
9/1/2017 4:00 AM	7.22	9/2/2017 4:00 AM	7.21	9/3/2017 4:00 AM	7.32
9/1/2017 4:15 AM	7.22	9/2/2017 4:15 AM	7.20	9/3/2017 4:15 AM	7.30
9/1/2017 4:30 AM	7.21	9/2/2017 4:30 AM	7.20	9/3/2017 4:30 AM	7.29
9/1/2017 4:45 AM	7.21	9/2/2017 4:45 AM	7.20	9/3/2017 4:45 AM	7.27
9/1/2017 5:00 AM	7.23	9/2/2017 5:00 AM	7.21	9/3/2017 5:00 AM	7.26
9/1/2017 5:15 AM	7.15	9/2/2017 5:15 AM	7.15	9/3/2017 5:15 AM	7.26
9/1/2017 5:30 AM	7.13	9/2/2017 5:30 AM	7.14	9/3/2017 5:30 AM	7.25
9/1/2017 5:45 AM	7.13	9/2/2017 5:45 AM	7.13	9/3/2017 5:45 AM	7.25
9/1/2017 6:00 AM	7.12	9/2/2017 6:00 AM	7.18	9/3/2017 6:00 AM	7.24
9/1/2017 6:15 AM	7.14	9/2/2017 6:15 AM	7.31	9/3/2017 6:15 AM	7.23
9/1/2017 6:30 AM	7.27	9/2/2017 6:30 AM	7.32	9/3/2017 6:30 AM	7.23
9/1/2017 6:45 AM	7.29	9/2/2017 6:45 AM	7.30	9/3/2017 6:45 AM	7.15
9/1/2017 7:00 AM	7.28	9/2/2017 7:00 AM	7.28	9/3/2017 7:00 AM	7.14
9/1/2017 7:15 AM	7.27	9/2/2017 7:15 AM	7.27	9/3/2017 7:15 AM	7.13
9/1/2017 7:30 AM	7.25	9/2/2017 7:30 AM	7.26	9/3/2017 7:30 AM	7.13
9/1/2017 7:45 AM	7.24	9/2/2017 7:45 AM	7.24	9/3/2017 7:45 AM	7.13
9/1/2017 8:00 AM	7.23	9/2/2017 8:00 AM	7.24	9/3/2017 8:00 AM	7.13
9/1/2017 8:15 AM	7.23	9/2/2017 8:15 AM	7.17	9/3/2017 8:15 AM	7.13
9/1/2017 8:30 AM	7.22	9/2/2017 8:30 AM	7.15	9/3/2017 8:30 AM	7.18
9/1/2017 8:45 AM	7.21	9/2/2017 8:45 AM	7.14	9/3/2017 8:45 AM	7.34
9/1/2017 9:00 AM	7.21	9/2/2017 9:00 AM	7.14	9/3/2017 9:00 AM	7.18
9/1/2017 9:15 AM	7.20	9/2/2017 9:15 AM	7.14	9/3/2017 9:15 AM	7.15
9/1/2017 9:30 AM	7.19	9/2/2017 9:30 AM	7.12	9/3/2017 9:30 AM	7.14
9/1/2017 9:45 AM	7.14	9/2/2017 9:45 AM	7.30	9/3/2017 9:45 AM	7.21
9/1/2017 10:00 AM	7.12	9/2/2017 10:00 AM	7.33	9/3/2017 10:00 AM	7.34
9/1/2017 10:15 AM	7.12	9/2/2017 10:15 AM	7.32	9/3/2017 10:15 AM	7.34
9/1/2017 10:30 AM	7.12	9/2/2017 10:30 AM	7.30	9/3/2017 10:30 AM	7.33
9/1/2017 10:45 AM	7.11	9/2/2017 10:45 AM	7.29	9/3/2017 10:45 AM	7.32
9/1/2017 11:00 AM	7.14	9/2/2017 11:00 AM	7.27	9/3/2017 11:00 AM	7.32

9/1/2017 11:15 AM	7.28	9/2/2017 11:15 AM	7.26	9/3/2017 11:15 AM	7.19
9/1/2017 11:30 AM	7.30	9/2/2017 11:30 AM	7.25	9/3/2017 11:30 AM	7.17
9/1/2017 11:45 AM	7.29	9/2/2017 11:45 AM	7.24	9/3/2017 11:45 AM	7.16
9/1/2017 12:00 PM	7.28	9/2/2017 12:00 PM	7.24	9/3/2017 12:00 PM	7.16
9/1/2017 12:15 PM	7.26	9/2/2017 12:15 PM	7.23	9/3/2017 12:15 PM	7.11
9/1/2017 12:30 PM	7.25	9/2/2017 12:30 PM	7.23	9/3/2017 12:30 PM	7.31
9/1/2017 12:45 PM	7.24	9/2/2017 12:45 PM	7.22	9/3/2017 12:45 PM	7.35
9/1/2017 1:00 PM	7.23	9/2/2017 1:00 PM	7.22	9/3/2017 1:00 PM	7.37
9/1/2017 1:15 PM	7.23	9/2/2017 1:15 PM	7.22	9/3/2017 1:15 PM	7.38
9/1/2017 1:30 PM	7.22	9/2/2017 1:30 PM	7.22	9/3/2017 1:30 PM	7.38
9/1/2017 1:45 PM	7.22	9/2/2017 1:45 PM	7.21	9/3/2017 1:45 PM	7.36
9/1/2017 2:00 PM	7.23	9/2/2017 2:00 PM	7.21	9/3/2017 2:00 PM	7.32
9/1/2017 2:15 PM	7.14	9/2/2017 2:15 PM	7.21	9/3/2017 2:15 PM	7.31
9/1/2017 2:30 PM	7.12	9/2/2017 2:30 PM	7.21	9/3/2017 2:30 PM	7.36
9/1/2017 2:45 PM	7.12	9/2/2017 2:45 PM	7.21	9/3/2017 2:45 PM	7.37
9/1/2017 3:00 PM	7.12	9/2/2017 3:00 PM	7.21	9/3/2017 3:00 PM	7.36
9/1/2017 3:15 PM	7.11	9/2/2017 3:15 PM	7.21	9/3/2017 3:15 PM	7.31
9/1/2017 3:30 PM	7.23	9/2/2017 3:30 PM	7.21	9/3/2017 3:30 PM	7.27
9/1/2017 3:45 PM	7.29	9/2/2017 3:45 PM	7.21	9/3/2017 3:45 PM	7.26
9/1/2017 4:00 PM	7.29	9/2/2017 4:00 PM	7.21	9/3/2017 4:00 PM	7.24
9/1/2017 4:15 PM	7.29	9/2/2017 4:15 PM	7.21	9/3/2017 4:15 PM	7.22
9/1/2017 4:30 PM	7.28	9/2/2017 4:30 PM	7.20	9/3/2017 4:30 PM	7.22
9/1/2017 4:45 PM	7.27	9/2/2017 4:45 PM	7.20	9/3/2017 4:45 PM	7.21
9/1/2017 5:00 PM	7.26	9/2/2017 5:00 PM	7.26	9/3/2017 5:00 PM	7.21
9/1/2017 5:15 PM	7.25	9/2/2017 5:15 PM	7.15	9/3/2017 5:15 PM	7.21
9/1/2017 5:30 PM	7.24	9/2/2017 5:30 PM	7.14	9/3/2017 5:30 PM	7.21
9/1/2017 5:45 PM	7.23	9/2/2017 5:45 PM	7.14	9/3/2017 5:45 PM	7.21
9/1/2017 6:00 PM	7.23	9/2/2017 6:00 PM	7.14	9/3/2017 6:00 PM	7.22
9/1/2017 6:15 PM	7.22	9/2/2017 6:15 PM	7.14	9/3/2017 6:15 PM	7.23
9/1/2017 6:30 PM	7.24	9/2/2017 6:30 PM	7.25	9/3/2017 6:30 PM	7.25
9/1/2017 6:45 PM	7.14	9/2/2017 6:45 PM	7.34	9/3/2017 6:45 PM	7.25
9/1/2017 7:00 PM	7.13	9/2/2017 7:00 PM	7.34	9/3/2017 7:00 PM	7.24
9/1/2017 7:15 PM	7.12	9/2/2017 7:15 PM	7.32	9/3/2017 7:15 PM	7.22
9/1/2017 7:30 PM	7.12	9/2/2017 7:30 PM	7.30	9/3/2017 7:30 PM	7.21
9/1/2017 7:45 PM	7.12	9/2/2017 7:45 PM	7.29	9/3/2017 7:45 PM	7.20
9/1/2017 8:00 PM	7.12	9/2/2017 8:00 PM	7.27	9/3/2017 8:00 PM	7.24
9/1/2017 8:15 PM	7.12	9/2/2017 8:15 PM	7.26	9/3/2017 8:15 PM	7.27
9/1/2017 8:30 PM	7.15	9/2/2017 8:30 PM	7.26	9/3/2017 8:30 PM	7.24
9/1/2017 8:45 PM	7.30	9/2/2017 8:45 PM	7.25	9/3/2017 8:45 PM	7.20
9/1/2017 9:00 PM	7.31	9/2/2017 9:00 PM	7.24	9/3/2017 9:00 PM	7.19
9/1/2017 9:15 PM	7.30	9/2/2017 9:15 PM	7.24	9/3/2017 9:15 PM	7.18
9/1/2017 9:30 PM	7.28	9/2/2017 9:30 PM	7.26	9/3/2017 9:30 PM	7.18
9/1/2017 9:45 PM	7.27	9/2/2017 9:45 PM	7.16	9/3/2017 9:45 PM	7.29
9/1/2017 10:00 PM	7.26	9/2/2017 10:00 PM	7.14	9/3/2017 10:00 PM	7.31
9/1/2017 10:15 PM	7.25	9/2/2017 10:15 PM	7.13	9/3/2017 10:15 PM	7.31
9/1/2017 10:30 PM	7.24	9/2/2017 10:30 PM	7.13	9/3/2017 10:30 PM	7.30
9/1/2017 10:45 PM	7.23	9/2/2017 10:45 PM	7.25	9/3/2017 10:45 PM	7.29
9/1/2017 11:00 PM	7.20	9/2/2017 11:00 PM	7.33	9/3/2017 11:00 PM	7.28
9/1/2017 11:15 PM	7.14	9/2/2017 11:15 PM	7.32	9/3/2017 11:15 PM	7.27
9/1/2017 11:30 PM	7.13	9/2/2017 11:30 PM	7.31	9/3/2017 11:30 PM	7.27
9/1/2017 11:45 PM	7.13	9/2/2017 11:45 PM	7.29	9/3/2017 11:45 PM	7.26

AVG

7.21

AVG

7.23

AVG

7.25

Note: Communications loss on 9/1/2017 at 12:30AM data for this time is not included in the average.

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/4/2017 12:00 AM	7.26	9/5/2017 12:00 AM	7.20	9/6/2017 12:00 AM	7.30
9/4/2017 12:15 AM	7.26	9/5/2017 12:15 AM	7.19	9/6/2017 12:15 AM	7.29
9/4/2017 12:30 AM	7.25	9/5/2017 12:30 AM	7.28	9/6/2017 12:30 AM	7.29
9/4/2017 12:45 AM	7.25	9/5/2017 12:45 AM	7.33	9/6/2017 12:45 AM	7.29
9/4/2017 1:00 AM	7.25	9/5/2017 1:00 AM	7.34	9/6/2017 1:00 AM	7.29
9/4/2017 1:15 AM	7.25	9/5/2017 1:15 AM	7.34	9/6/2017 1:15 AM	7.29
9/4/2017 1:30 AM	7.24	9/5/2017 1:30 AM	7.33	9/6/2017 1:30 AM	7.29
9/4/2017 1:45 AM	7.24	9/5/2017 1:45 AM	7.32	9/6/2017 1:45 AM	7.28
9/4/2017 2:00 AM	7.24	9/5/2017 2:00 AM	7.32	9/6/2017 2:00 AM	7.28
9/4/2017 2:15 AM	7.24	9/5/2017 2:15 AM	7.31	9/6/2017 2:15 AM	7.28
9/4/2017 2:30 AM	7.24	9/5/2017 2:30 AM	7.31	9/6/2017 2:30 AM	7.28
9/4/2017 2:45 AM	7.23	9/5/2017 2:45 AM	7.30	9/6/2017 2:45 AM	7.28
9/4/2017 3:00 AM	7.23	9/5/2017 3:00 AM	7.30	9/6/2017 3:00 AM	7.28
9/4/2017 3:15 AM	7.23	9/5/2017 3:15 AM	7.29	9/6/2017 3:15 AM	7.28
9/4/2017 3:30 AM	7.23	9/5/2017 3:30 AM	7.27	9/6/2017 3:30 AM	7.28
9/4/2017 3:45 AM	7.23	9/5/2017 3:45 AM	7.22	9/6/2017 3:45 AM	7.27
9/4/2017 4:00 AM	7.23	9/5/2017 4:00 AM	7.20	9/6/2017 4:00 AM	7.27
9/4/2017 4:15 AM	7.23	9/5/2017 4:15 AM	7.19	9/6/2017 4:15 AM	7.27
9/4/2017 4:30 AM	7.22	9/5/2017 4:30 AM	7.19	9/6/2017 4:30 AM	7.27
9/4/2017 4:45 AM	7.22	9/5/2017 4:45 AM	7.16	9/6/2017 4:45 AM	7.27
9/4/2017 5:00 AM	7.24	9/5/2017 5:00 AM	7.32	9/6/2017 5:00 AM	7.27
9/4/2017 5:15 AM	7.17	9/5/2017 5:15 AM	7.36	9/6/2017 5:15 AM	7.26
9/4/2017 5:30 AM	7.15	9/5/2017 5:30 AM	7.36	9/6/2017 5:30 AM	7.26
9/4/2017 5:45 AM	7.15	9/5/2017 5:45 AM	7.35	9/6/2017 5:45 AM	7.26
9/4/2017 6:00 AM	7.14	9/5/2017 6:00 AM	7.34	9/6/2017 6:00 AM	7.26
9/4/2017 6:15 AM	7.14	9/5/2017 6:15 AM	7.33	9/6/2017 6:15 AM	7.26
9/4/2017 6:30 AM	7.21	9/5/2017 6:30 AM	7.32	9/6/2017 6:30 AM	7.25
9/4/2017 6:45 AM	7.32	9/5/2017 6:45 AM	7.31	9/6/2017 6:45 AM	7.22
9/4/2017 7:00 AM	7.33	9/5/2017 7:00 AM	7.30	9/6/2017 7:00 AM	7.21
9/4/2017 7:15 AM	7.32	9/5/2017 7:15 AM	7.30	9/6/2017 7:15 AM	7.21
9/4/2017 7:30 AM	7.31	9/5/2017 7:30 AM	7.30	9/6/2017 7:30 AM	7.20
9/4/2017 7:45 AM	7.30	9/5/2017 7:45 AM	7.29	9/6/2017 7:45 AM	7.17
9/4/2017 8:00 AM	7.29	9/5/2017 8:00 AM	7.31	9/6/2017 8:00 AM	7.35
9/4/2017 8:15 AM	7.28	9/5/2017 8:15 AM	7.21	9/6/2017 8:15 AM	7.38
9/4/2017 8:30 AM	7.27	9/5/2017 8:30 AM	7.19	9/6/2017 8:30 AM	7.38
9/4/2017 8:45 AM	7.27	9/5/2017 8:45 AM	7.18	9/6/2017 8:45 AM	7.37
9/4/2017 9:00 AM	7.26	9/5/2017 9:00 AM	7.17	9/6/2017 9:00 AM	7.36
9/4/2017 9:15 AM	7.26	9/5/2017 9:15 AM	7.07	9/6/2017 9:15 AM	7.34
9/4/2017 9:30 AM	7.26	9/5/2017 9:30 AM	7.29	9/6/2017 9:30 AM	7.33
9/4/2017 9:45 AM	7.26	9/5/2017 9:45 AM	7.34	9/6/2017 9:45 AM	7.32
9/4/2017 10:00 AM	7.27	9/5/2017 10:00 AM	7.35	9/6/2017 10:00 AM	7.32
9/4/2017 10:15 AM	7.29	9/5/2017 10:15 AM	7.37	9/6/2017 10:15 AM	7.32
9/4/2017 10:30 AM	7.30	9/5/2017 10:30 AM	7.38	9/6/2017 10:30 AM	7.31
9/4/2017 10:45 AM	7.31	9/5/2017 10:45 AM	7.37	9/6/2017 10:45 AM	7.31
9/4/2017 11:00 AM	7.29	9/5/2017 11:00 AM	7.38	9/6/2017 11:00 AM	7.31
9/4/2017 11:15 AM	7.17	9/5/2017 11:15 AM	7.37	9/6/2017 11:15 AM	7.25
9/4/2017 11:30 AM	7.15	9/5/2017 11:30 AM	7.36	9/6/2017 11:30 AM	7.22
9/4/2017 11:45 AM	7.14	9/5/2017 11:45 AM	7.35	9/6/2017 11:45 AM	7.21
9/4/2017 12:00 PM	7.13	9/5/2017 12:00 PM	7.36	9/6/2017 12:00 PM	7.20
9/4/2017 12:15 PM	7.11	9/5/2017 12:15 PM	7.35	9/6/2017 12:15 PM	7.20
9/4/2017 12:30 PM	7.11	9/5/2017 12:30 PM	7.35	9/6/2017 12:30 PM	7.20
9/4/2017 12:45 PM	7.10	9/5/2017 12:45 PM	7.38	9/6/2017 12:45 PM	7.33
9/4/2017 1:00 PM	7.26	9/5/2017 1:00 PM	7.34	9/6/2017 1:00 PM	7.39
9/4/2017 1:15 PM	7.36	9/5/2017 1:15 PM	7.29	9/6/2017 1:15 PM	7.39
9/4/2017 1:30 PM	7.38	9/5/2017 1:30 PM	7.27	9/6/2017 1:30 PM	7.38
9/4/2017 1:45 PM	7.38	9/5/2017 1:45 PM	7.25	9/6/2017 1:45 PM	7.36
9/4/2017 2:00 PM	7.32	9/5/2017 2:00 PM	7.23	9/6/2017 2:00 PM	7.35
9/4/2017 2:15 PM	7.29	9/5/2017 2:15 PM	7.23	9/6/2017 2:15 PM	7.34
9/4/2017 2:30 PM	7.25	9/5/2017 2:30 PM	7.23	9/6/2017 2:30 PM	7.33
9/4/2017 2:45 PM	7.22	9/5/2017 2:45 PM	7.38	9/6/2017 2:45 PM	7.32
9/4/2017 3:00 PM	7.21	9/5/2017 3:00 PM	7.27	9/6/2017 3:00 PM	7.32
9/4/2017 3:15 PM	7.22	9/5/2017 3:15 PM	7.25	9/6/2017 3:15 PM	7.31
9/4/2017 3:30 PM	7.30	9/5/2017 3:30 PM	7.30	9/6/2017 3:30 PM	7.31
9/4/2017 3:45 PM	7.36	9/5/2017 3:45 PM	7.39	9/6/2017 3:45 PM	7.25
9/4/2017 4:00 PM	7.38	9/5/2017 4:00 PM	7.41	9/6/2017 4:00 PM	7.22
9/4/2017 4:15 PM	7.40	9/5/2017 4:15 PM	7.42	9/6/2017 4:15 PM	7.21
9/4/2017 4:30 PM	7.40	9/5/2017 4:30 PM	7.40	9/6/2017 4:30 PM	7.21
9/4/2017 4:45 PM	7.39	9/5/2017 4:45 PM	7.37	9/6/2017 4:45 PM	7.20
9/4/2017 5:00 PM	7.37	9/5/2017 5:00 PM	7.34	9/6/2017 5:00 PM	7.20
9/4/2017 5:15 PM	7.36	9/5/2017 5:15 PM	7.31	9/6/2017 5:15 PM	7.20
9/4/2017 5:30 PM	7.35	9/5/2017 5:30 PM	7.30	9/6/2017 5:30 PM	7.21
9/4/2017 5:45 PM	7.34	9/5/2017 5:45 PM	7.28	9/6/2017 5:45 PM	7.21
9/4/2017 6:00 PM	7.34	9/5/2017 6:00 PM	7.27	9/6/2017 6:00 PM	7.34
9/4/2017 6:15 PM	7.33	9/5/2017 6:15 PM	7.26	9/6/2017 6:15 PM	7.32
9/4/2017 6:30 PM	7.33	9/5/2017 6:30 PM	7.22	9/6/2017 6:30 PM	7.25
9/4/2017 6:45 PM	7.32	9/5/2017 6:45 PM	7.35	9/6/2017 6:45 PM	7.23
9/4/2017 7:00 PM	7.30	9/5/2017 7:00 PM	7.39	9/6/2017 7:00 PM	7.31

9/4/2017 7:15 PM	7.28	9/5/2017 7:15 PM	7.38	9/6/2017 7:15 PM	7.42
9/4/2017 7:30 PM	7.26	9/5/2017 7:30 PM	7.38	9/6/2017 7:30 PM	7.42
9/4/2017 7:45 PM	7.25	9/5/2017 7:45 PM	7.37	9/6/2017 7:45 PM	7.41
9/4/2017 8:00 PM	7.24	9/5/2017 8:00 PM	7.36	9/6/2017 8:00 PM	7.38
9/4/2017 8:15 PM	7.23	9/5/2017 8:15 PM	7.35	9/6/2017 8:15 PM	7.27
9/4/2017 8:30 PM	7.23	9/5/2017 8:30 PM	7.34	9/6/2017 8:30 PM	7.25
9/4/2017 8:45 PM	7.23	9/5/2017 8:45 PM	7.34	9/6/2017 8:45 PM	7.24
9/4/2017 9:00 PM	7.23	9/5/2017 9:00 PM	7.33	9/6/2017 9:00 PM	7.24
9/4/2017 9:15 PM	7.23	9/5/2017 9:15 PM	7.33	9/6/2017 9:15 PM	7.35
9/4/2017 9:30 PM	7.23	9/5/2017 9:30 PM	7.33	9/6/2017 9:30 PM	7.43
9/4/2017 9:45 PM	7.23	9/5/2017 9:45 PM	7.32	9/6/2017 9:45 PM	7.43
9/4/2017 10:00 PM	7.23	9/5/2017 10:00 PM	7.32	9/6/2017 10:00 PM	7.41
9/4/2017 10:15 PM	7.23	9/5/2017 10:15 PM	7.31	9/6/2017 10:15 PM	7.40
9/4/2017 10:30 PM	7.22	9/5/2017 10:30 PM	7.31	9/6/2017 10:30 PM	7.39
9/4/2017 10:45 PM	7.27	9/5/2017 10:45 PM	7.31	9/6/2017 10:45 PM	7.37
9/4/2017 11:00 PM	7.28	9/5/2017 11:00 PM	7.31	9/6/2017 11:00 PM	7.36
9/4/2017 11:15 PM	7.26	9/5/2017 11:15 PM	7.30	9/6/2017 11:15 PM	7.36
9/4/2017 11:30 PM	7.23	9/5/2017 11:30 PM	7.30	9/6/2017 11:30 PM	7.35
9/4/2017 11:45 PM	7.21	9/5/2017 11:45 PM	7.30	9/6/2017 11:45 PM	7.34

AVG

7.26

AVG

7.31

AVG

7.30

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/7/2017 12:00 AM	7.34	9/8/2017 12:00 AM	7.27	9/9/2017 12:00 AM	7.34
9/7/2017 12:15 AM	7.33	9/8/2017 12:15 AM	7.26	9/9/2017 12:15 AM	7.33
9/7/2017 12:30 AM	7.33	9/8/2017 12:30 AM	7.25	9/9/2017 12:30 AM	7.33
9/7/2017 12:45 AM	7.32	9/8/2017 12:45 AM	7.43	9/9/2017 12:45 AM	7.33
9/7/2017 1:00 AM	7.32	9/8/2017 1:00 AM	7.46	9/9/2017 1:00 AM	7.33
9/7/2017 1:15 AM	7.31	9/8/2017 1:15 AM	7.45	9/9/2017 1:15 AM	7.32
9/7/2017 1:30 AM	7.31	9/8/2017 1:30 AM	7.44	9/9/2017 1:30 AM	7.32
9/7/2017 1:45 AM	7.31	9/8/2017 1:45 AM	7.42	9/9/2017 1:45 AM	7.32
9/7/2017 2:00 AM	7.31	9/8/2017 2:00 AM	7.41	9/9/2017 2:00 AM	7.32
9/7/2017 2:15 AM	7.31	9/8/2017 2:15 AM	7.39	9/9/2017 2:15 AM	7.32
9/7/2017 2:30 AM	7.30	9/8/2017 2:30 AM	7.38	9/9/2017 2:30 AM	7.32
9/7/2017 2:45 AM	7.30	9/8/2017 2:45 AM	7.38	9/9/2017 2:45 AM	7.31
9/7/2017 3:00 AM	7.30	9/8/2017 3:00 AM	7.37	9/9/2017 3:00 AM	7.31
9/7/2017 3:15 AM	7.30	9/8/2017 3:15 AM	7.36	9/9/2017 3:15 AM	7.31
9/7/2017 3:30 AM	7.30	9/8/2017 3:30 AM	7.36	9/9/2017 3:30 AM	7.20
9/7/2017 3:45 AM	7.30	9/8/2017 3:45 AM	7.35	9/9/2017 3:45 AM	7.40
9/7/2017 4:00 AM	7.30	9/8/2017 4:00 AM	7.35	9/9/2017 4:00 AM	7.44
9/7/2017 4:15 AM	7.29	9/8/2017 4:15 AM	7.35	9/9/2017 4:15 AM	7.44
9/7/2017 4:30 AM	7.29	9/8/2017 4:30 AM	7.34	9/9/2017 4:30 AM	7.43
9/7/2017 4:45 AM	7.29	9/8/2017 4:45 AM	7.34	9/9/2017 4:45 AM	7.41
9/7/2017 5:00 AM	7.35	9/8/2017 5:00 AM	7.34	9/9/2017 5:00 AM	7.40
9/7/2017 5:15 AM	7.24	9/8/2017 5:15 AM	7.34	9/9/2017 5:15 AM	7.39
9/7/2017 5:30 AM	7.23	9/8/2017 5:30 AM	7.33	9/9/2017 5:30 AM	7.38
9/7/2017 5:45 AM	7.23	9/8/2017 5:45 AM	7.33	9/9/2017 5:45 AM	7.38
9/7/2017 6:00 AM	7.23	9/8/2017 6:00 AM	7.33	9/9/2017 6:00 AM	7.37
9/7/2017 6:15 AM	7.23	9/8/2017 6:15 AM	7.33	9/9/2017 6:15 AM	7.37
9/7/2017 6:30 AM	7.26	9/8/2017 6:30 AM	7.33	9/9/2017 6:30 AM	7.38
9/7/2017 6:45 AM	7.41	9/8/2017 6:45 AM	7.33	9/9/2017 6:45 AM	7.29
9/7/2017 7:00 AM	7.42	9/8/2017 7:00 AM	7.33	9/9/2017 7:00 AM	7.27
9/7/2017 7:15 AM	7.41	9/8/2017 7:15 AM	7.32	9/9/2017 7:15 AM	7.27
9/7/2017 7:30 AM	7.40	9/8/2017 7:30 AM	7.32	9/9/2017 7:30 AM	7.26
9/7/2017 7:45 AM	7.39	9/8/2017 7:45 AM	7.32	9/9/2017 7:45 AM	7.26
9/7/2017 8:00 AM	7.37	9/8/2017 8:00 AM	7.34	9/9/2017 8:00 AM	7.26
9/7/2017 8:15 AM	7.36	9/8/2017 8:15 AM	7.26	9/9/2017 8:15 AM	7.26
9/7/2017 8:30 AM	7.35	9/8/2017 8:30 AM	7.25	9/9/2017 8:30 AM	7.39
9/7/2017 8:45 AM	7.35	9/8/2017 8:45 AM	7.25	9/9/2017 8:45 AM	7.34
9/7/2017 9:00 AM	7.34	9/8/2017 9:00 AM	7.24	9/9/2017 9:00 AM	7.28
9/7/2017 9:15 AM	7.33	9/8/2017 9:15 AM	7.31	9/9/2017 9:15 AM	7.26
9/7/2017 9:30 AM	7.36	9/8/2017 9:30 AM	7.44	9/9/2017 9:30 AM	7.19
9/7/2017 9:45 AM	7.24	9/8/2017 9:45 AM	7.45	9/9/2017 9:45 AM	7.42
9/7/2017 10:00 AM	7.21	9/8/2017 10:00 AM	7.44	9/9/2017 10:00 AM	7.47
9/7/2017 10:15 AM	7.20	9/8/2017 10:15 AM	7.43	9/9/2017 10:15 AM	7.48
9/7/2017 10:30 AM	7.20	9/8/2017 10:30 AM	7.42	9/9/2017 10:30 AM	7.47
9/7/2017 10:45 AM	7.20	9/8/2017 10:45 AM	7.42	9/9/2017 10:45 AM	7.46
9/7/2017 11:00 AM	7.20	9/8/2017 11:00 AM	7.43	9/9/2017 11:00 AM	7.45
9/7/2017 11:15 AM	7.34	9/8/2017 11:15 AM	7.44	9/9/2017 11:15 AM	7.33
9/7/2017 11:30 AM	7.42	9/8/2017 11:30 AM	7.45	9/9/2017 11:30 AM	7.30
9/7/2017 11:45 AM	7.43	9/8/2017 11:45 AM	7.45	9/9/2017 11:45 AM	7.29
9/7/2017 12:00 PM	7.44	9/8/2017 12:00 PM	7.47	9/9/2017 12:00 PM	7.28
9/7/2017 12:15 PM	7.43	9/8/2017 12:15 PM	7.47	9/9/2017 12:15 PM	7.34
9/7/2017 12:30 PM	7.42	9/8/2017 12:30 PM	7.47	9/9/2017 12:30 PM	7.45
9/7/2017 12:45 PM	7.42	9/8/2017 12:45 PM	7.38	9/9/2017 12:45 PM	7.48
9/7/2017 1:00 PM	7.38	9/8/2017 1:00 PM	7.37	9/9/2017 1:00 PM	7.48
9/7/2017 1:15 PM	7.35	9/8/2017 1:15 PM	7.34	9/9/2017 1:15 PM	7.51
9/7/2017 1:30 PM	7.36	9/8/2017 1:30 PM	7.31	9/9/2017 1:30 PM	7.50
9/7/2017 1:45 PM	7.40	9/8/2017 1:45 PM	7.29	9/9/2017 1:45 PM	7.46
9/7/2017 2:00 PM	7.39	9/8/2017 2:00 PM	7.28	9/9/2017 2:00 PM	7.49
9/7/2017 2:15 PM	7.37	9/8/2017 2:15 PM	7.27	9/9/2017 2:15 PM	7.47
9/7/2017 2:30 PM	7.36	9/8/2017 2:30 PM	7.24	9/9/2017 2:30 PM	7.44
9/7/2017 2:45 PM	7.34	9/8/2017 2:45 PM	7.40	9/9/2017 2:45 PM	7.42
9/7/2017 3:00 PM	7.34	9/8/2017 3:00 PM	7.32	9/9/2017 3:00 PM	7.42
9/7/2017 3:15 PM	7.31	9/8/2017 3:15 PM	7.24	9/9/2017 3:15 PM	7.39
9/7/2017 3:30 PM	7.30	9/8/2017 3:30 PM	7.40	9/9/2017 3:30 PM	7.36
9/7/2017 3:45 PM	7.30	9/8/2017 3:45 PM	7.45	9/9/2017 3:45 PM	7.35
9/7/2017 4:00 PM	7.29	9/8/2017 4:00 PM	7.45	9/9/2017 4:00 PM	7.34
9/7/2017 4:15 PM	7.27	9/8/2017 4:15 PM	7.46	9/9/2017 4:15 PM	7.34
9/7/2017 4:30 PM	7.27	9/8/2017 4:30 PM	7.45	9/9/2017 4:30 PM	7.34
9/7/2017 4:45 PM	7.27	9/8/2017 4:45 PM	7.44	9/9/2017 4:45 PM	7.34
9/7/2017 5:00 PM	7.27	9/8/2017 5:00 PM	7.38	9/9/2017 5:00 PM	7.34
9/7/2017 5:15 PM	7.28	9/8/2017 5:15 PM	7.33	9/9/2017 5:15 PM	7.36
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9/7/2017 5:45 PM	7.29	9/8/2017 5:45 PM	7.30	9/9/2017 5:45 PM	7.35
9/7/2017 6:00 PM	7.30	9/8/2017 6:00 PM	7.29	9/9/2017 6:00 PM	7.36
9/7/2017 6:15 PM	7.29	9/8/2017 6:15 PM	7.29	9/9/2017 6:15 PM	7.36
9/7/2017 6:30 PM	7.30	9/8/2017 6:30 PM	7.29	9/9/2017 6:30 PM	7.36
9/7/2017 6:45 PM	7.32	9/8/2017 6:45 PM	7.43	9/9/2017 6:45 PM	7.36
9/7/2017 7:00 PM	7.30	9/8/2017 7:00 PM	7.45	9/9/2017 7:00 PM	7.36

9/7/2017 7:15 PM	7.29	9/8/2017 7:15 PM	7.45	9/9/2017 7:15 PM	7.36
9/7/2017 7:30 PM	7.27	9/8/2017 7:30 PM	7.45	9/9/2017 7:30 PM	7.36
9/7/2017 7:45 PM	7.26	9/8/2017 7:45 PM	7.44	9/9/2017 7:45 PM	7.36
9/7/2017 8:00 PM	7.25	9/8/2017 8:00 PM	7.43	9/9/2017 8:00 PM	7.36
9/7/2017 8:15 PM	7.25	9/8/2017 8:15 PM	7.42	9/9/2017 8:15 PM	7.34
9/7/2017 8:30 PM	7.24	9/8/2017 8:30 PM	7.41	9/9/2017 8:30 PM	7.33
9/7/2017 8:45 PM	7.21	9/8/2017 8:45 PM	7.40	9/9/2017 8:45 PM	7.31
9/7/2017 9:00 PM	7.38	9/8/2017 9:00 PM	7.39	9/9/2017 9:00 PM	7.29
9/7/2017 9:15 PM	7.31	9/8/2017 9:15 PM	7.39	9/9/2017 9:15 PM	7.28
9/7/2017 9:30 PM	7.27	9/8/2017 9:30 PM	7.38	9/9/2017 9:30 PM	7.28
9/7/2017 9:45 PM	7.34	9/8/2017 9:45 PM	7.37	9/9/2017 9:45 PM	7.35
9/7/2017 10:00 PM	7.43	9/8/2017 10:00 PM	7.37	9/9/2017 10:00 PM	7.43
9/7/2017 10:15 PM	7.44	9/8/2017 10:15 PM	7.36	9/9/2017 10:15 PM	7.44
9/7/2017 10:30 PM	7.43	9/8/2017 10:30 PM	7.36	9/9/2017 10:30 PM	7.43
9/7/2017 10:45 PM	7.41	9/8/2017 10:45 PM	7.35	9/9/2017 10:45 PM	7.42
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9/7/2017 11:30 PM	7.27	9/8/2017 11:30 PM	7.34	9/9/2017 11:30 PM	7.39
9/7/2017 11:45 PM	7.27	9/8/2017 11:45 PM	7.34	9/9/2017 11:45 PM	7.38

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7.32

AVG

7.37

AVG

7.36

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/10/2017 12:00 AM	7.37	9/11/2017 12:00 AM	7.28	9/12/2017 12:00 AM	7.34
9/10/2017 12:15 AM	7.37	9/11/2017 12:15 AM	7.28	9/12/2017 12:15 AM	7.34
9/10/2017 12:30 AM	7.36	9/11/2017 12:30 AM	7.33	9/12/2017 12:30 AM	7.34
9/10/2017 12:45 AM	7.36	9/11/2017 12:45 AM	7.45	9/12/2017 12:45 AM	7.33
9/10/2017 1:00 AM	7.36	9/11/2017 1:00 AM	7.47	9/12/2017 1:00 AM	7.33
9/10/2017 1:15 AM	7.35	9/11/2017 1:15 AM	7.46	9/12/2017 1:15 AM	7.33
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9/10/2017 4:45 AM	7.33	9/11/2017 4:45 AM	7.36	9/12/2017 4:45 AM	7.45
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9/10/2017 1:45 PM	7.37	9/11/2017 1:45 PM	7.41	9/12/2017 1:45 PM	7.19
9/10/2017 2:00 PM	7.30	9/11/2017 2:00 PM	7.39	9/12/2017 2:00 PM	7.38
9/10/2017 2:15 PM	7.28	9/11/2017 2:15 PM	7.38	9/12/2017 2:15 PM	7.44
9/10/2017 2:30 PM	7.28	9/11/2017 2:30 PM	7.38	9/12/2017 2:30 PM	7.45
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9/10/2017 3:15 PM	7.29	9/11/2017 3:15 PM	7.36	9/12/2017 3:15 PM	7.47
9/10/2017 3:30 PM	7.40	9/11/2017 3:30 PM	7.36	9/12/2017 3:30 PM	7.45
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9/10/2017 4:15 PM	7.50	9/11/2017 4:15 PM	7.34	9/12/2017 4:15 PM	7.38
9/10/2017 4:30 PM	7.49	9/11/2017 4:30 PM	7.34	9/12/2017 4:30 PM	7.37
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9/10/2017 6:15 PM	7.44	9/11/2017 6:15 PM	7.28	9/12/2017 6:15 PM	7.41
9/10/2017 6:30 PM	7.43	9/11/2017 6:30 PM	7.37	9/12/2017 6:30 PM	7.40
9/10/2017 6:45 PM	7.43	9/11/2017 6:45 PM	7.43	9/12/2017 6:45 PM	7.38
9/10/2017 7:00 PM	7.41	9/11/2017 7:00 PM	7.44	9/12/2017 7:00 PM	7.36

9/10/2017 7:15 PM	7.39	9/11/2017 7:15 PM	7.44	9/12/2017 7:15 PM	7.35
9/10/2017 7:30 PM	7.39	9/11/2017 7:30 PM	7.43	9/12/2017 7:30 PM	7.34
9/10/2017 7:45 PM	7.41	9/11/2017 7:45 PM	7.42	9/12/2017 7:45 PM	7.33
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9/10/2017 8:15 PM	7.37	9/11/2017 8:15 PM	7.41	9/12/2017 8:15 PM	7.34
9/10/2017 8:30 PM	7.36	9/11/2017 8:30 PM	7.40	9/12/2017 8:30 PM	7.34
9/10/2017 8:45 PM	7.35	9/11/2017 8:45 PM	7.39	9/12/2017 8:45 PM	7.32
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9/10/2017 10:45 PM	7.35	9/11/2017 10:45 PM	7.36	9/12/2017 10:45 PM	7.37
9/10/2017 11:00 PM	7.29	9/11/2017 11:00 PM	7.35	9/12/2017 11:00 PM	7.30
9/10/2017 11:15 PM	7.29	9/11/2017 11:15 PM	7.35	9/12/2017 11:15 PM	7.34
9/10/2017 11:30 PM	7.28	9/11/2017 11:30 PM	7.35	9/12/2017 11:30 PM	7.46
9/10/2017 11:45 PM	7.28	9/11/2017 11:45 PM	7.34	9/12/2017 11:45 PM	7.47

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Date And Time	pH	Date And Time	pH	Date And Time	pH
9/13/2017 12:00 AM	7.47	9/14/2017 12:00 AM	7.34	9/15/2017 12:00 AM	7.49
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9/13/2017 12:30 AM	7.45	9/14/2017 12:30 AM	7.32	9/15/2017 12:30 AM	7.48
9/13/2017 12:45 AM	7.44	9/14/2017 12:45 AM	7.32	9/15/2017 12:45 AM	7.48
9/13/2017 1:00 AM	7.43	9/14/2017 1:00 AM	7.35	9/15/2017 1:00 AM	7.48
9/13/2017 1:15 AM	7.43	9/14/2017 1:15 AM	7.47	9/15/2017 1:15 AM	7.47
9/13/2017 1:30 AM	7.42	9/14/2017 1:30 AM	7.36	9/15/2017 1:30 AM	7.47
9/13/2017 1:45 AM	7.42	9/14/2017 1:45 AM	7.34	9/15/2017 1:45 AM	7.46
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9/13/2017 2:30 AM	7.40	9/14/2017 2:30 AM	7.52	9/15/2017 2:30 AM	7.46
9/13/2017 2:45 AM	7.39	9/14/2017 2:45 AM	7.52	9/15/2017 2:45 AM	7.45
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9/13/2017 3:15 AM	7.39	9/14/2017 3:15 AM	7.49	9/15/2017 3:15 AM	7.42
9/13/2017 3:30 AM	7.38	9/14/2017 3:30 AM	7.48	9/15/2017 3:30 AM	7.52
9/13/2017 3:45 AM	7.38	9/14/2017 3:45 AM	7.47	9/15/2017 3:45 AM	7.53
9/13/2017 4:00 AM	7.37	9/14/2017 4:00 AM	7.46	9/15/2017 4:00 AM	7.53
9/13/2017 4:15 AM	7.37	9/14/2017 4:15 AM	7.45	9/15/2017 4:15 AM	7.52
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9/13/2017 7:30 AM	7.31	9/14/2017 7:30 AM	7.42	9/15/2017 7:30 AM	7.36
9/13/2017 7:45 AM	7.30	9/14/2017 7:45 AM	7.35	9/15/2017 7:45 AM	7.45
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9/13/2017 8:45 AM	7.51	9/14/2017 8:45 AM	7.31	9/15/2017 8:45 AM	7.36
9/13/2017 9:00 AM	7.50	9/14/2017 9:00 AM	7.31	9/15/2017 9:00 AM	7.54
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9/13/2017 10:00 AM	7.47	9/14/2017 10:00 AM	7.34	9/15/2017 10:00 AM	7.53
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9/13/2017 12:45 PM	7.47	9/14/2017 12:45 PM	7.30	9/15/2017 12:45 PM	7.58
9/13/2017 1:00 PM	7.45	9/14/2017 1:00 PM	7.32	9/15/2017 1:00 PM	7.58
9/13/2017 1:15 PM	7.46	9/14/2017 1:15 PM	7.33	9/15/2017 1:15 PM	7.58
9/13/2017 1:30 PM	7.50	9/14/2017 1:30 PM	7.33	9/15/2017 1:30 PM	7.57
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9/13/2017 2:15 PM	7.44	9/14/2017 2:15 PM	7.33	9/15/2017 2:15 PM	7.58
9/13/2017 2:30 PM	7.43	9/14/2017 2:30 PM	7.30	9/15/2017 2:30 PM	7.57
9/13/2017 2:45 PM	7.39	9/14/2017 2:45 PM	7.30	9/15/2017 2:45 PM	7.56
9/13/2017 3:00 PM	7.37	9/14/2017 3:00 PM	7.33	9/15/2017 3:00 PM	7.55
9/13/2017 3:15 PM	7.36	9/14/2017 3:15 PM	7.34	9/15/2017 3:15 PM	7.51
9/13/2017 3:30 PM	7.35	9/14/2017 3:30 PM	7.35	9/15/2017 3:30 PM	7.48
9/13/2017 3:45 PM	7.34	9/14/2017 3:45 PM	7.33	9/15/2017 3:45 PM	7.47
9/13/2017 4:00 PM	7.35	9/14/2017 4:00 PM	7.52	9/15/2017 4:00 PM	7.45
9/13/2017 4:15 PM	7.49	9/14/2017 4:15 PM	7.43	9/15/2017 4:15 PM	7.44
9/13/2017 4:30 PM	7.37	9/14/2017 4:30 PM	7.38	9/15/2017 4:30 PM	7.43
9/13/2017 4:45 PM	7.27	9/14/2017 4:45 PM	7.37	9/15/2017 4:45 PM	7.42
9/13/2017 5:00 PM	7.46	9/14/2017 5:00 PM	7.37	9/15/2017 5:00 PM	7.44
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9/13/2017 5:45 PM	7.52	9/14/2017 5:45 PM	7.37	9/15/2017 5:45 PM	7.45
9/13/2017 6:00 PM	7.53	9/14/2017 6:00 PM	7.38	9/15/2017 6:00 PM	7.46
9/13/2017 6:15 PM	7.52	9/14/2017 6:15 PM	7.53	9/15/2017 6:15 PM	7.46
9/13/2017 6:30 PM	7.50	9/14/2017 6:30 PM	7.50	9/15/2017 6:30 PM	7.43
9/13/2017 6:45 PM	7.49	9/14/2017 6:45 PM	7.42	9/15/2017 6:45 PM	7.42
9/13/2017 7:00 PM	7.46	9/14/2017 7:00 PM	7.40	9/15/2017 7:00 PM	7.41

9/13/2017 7:15 PM	7.44	9/14/2017 7:15 PM	7.40	9/15/2017 7:15 PM	7.40
9/13/2017 7:30 PM	7.43	9/14/2017 7:30 PM	7.39	9/15/2017 7:30 PM	7.54
9/13/2017 7:45 PM	7.41	9/14/2017 7:45 PM	7.39	9/15/2017 7:45 PM	7.51
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9/13/2017 8:15 PM	7.39	9/14/2017 8:15 PM	7.61	9/15/2017 8:15 PM	7.43
9/13/2017 8:30 PM	7.39	9/14/2017 8:30 PM	7.60	9/15/2017 8:30 PM	7.40
9/13/2017 8:45 PM	7.39	9/14/2017 8:45 PM	7.59	9/15/2017 8:45 PM	7.50
9/13/2017 9:00 PM	7.39	9/14/2017 9:00 PM	7.57	9/15/2017 9:00 PM	7.52
9/13/2017 9:15 PM	7.39	9/14/2017 9:15 PM	7.56	9/15/2017 9:15 PM	7.52
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9/13/2017 10:00 PM	7.38	9/14/2017 10:00 PM	7.53	9/15/2017 10:00 PM	7.50
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9/13/2017 11:30 PM	7.37	9/14/2017 11:30 PM	7.50	9/15/2017 11:30 PM	7.47
9/13/2017 11:45 PM	7.35	9/14/2017 11:45 PM	7.50	9/15/2017 11:45 PM	7.47

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7.41

AVG

7.42

AVG

7.47

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/16/2017 12:00 AM	7.43	9/17/2017 12:00 AM	7.52	9/18/2017 12:00 AM	7.43
9/16/2017 12:15 AM	7.40	9/17/2017 12:15 AM	7.52	9/18/2017 12:15 AM	7.42
9/16/2017 12:30 AM	7.39	9/17/2017 12:30 AM	7.52	9/18/2017 12:30 AM	7.42
9/16/2017 12:45 AM	7.38	9/17/2017 12:45 AM	7.51	9/18/2017 12:45 AM	7.42
9/16/2017 1:00 AM	7.38	9/17/2017 1:00 AM	7.50	9/18/2017 1:00 AM	7.41
9/16/2017 1:15 AM	7.38	9/17/2017 1:15 AM	7.49	9/18/2017 1:15 AM	7.45
9/16/2017 1:30 AM	7.52	9/17/2017 1:30 AM	7.48	9/18/2017 1:30 AM	7.41
9/16/2017 1:45 AM	7.55	9/17/2017 1:45 AM	7.48	9/18/2017 1:45 AM	7.39
9/16/2017 2:00 AM	7.55	9/17/2017 2:00 AM	7.47	9/18/2017 2:00 AM	7.38
9/16/2017 2:15 AM	7.53	9/17/2017 2:15 AM	7.47	9/18/2017 2:15 AM	7.37
9/16/2017 2:30 AM	7.52	9/17/2017 2:30 AM	7.46	9/18/2017 2:30 AM	7.36
9/16/2017 2:45 AM	7.51	9/17/2017 2:45 AM	7.50	9/18/2017 2:45 AM	7.39
9/16/2017 3:00 AM	7.50	9/17/2017 3:00 AM	7.40	9/18/2017 3:00 AM	7.50
9/16/2017 3:15 AM	7.49	9/17/2017 3:15 AM	7.38	9/18/2017 3:15 AM	7.52
9/16/2017 3:30 AM	7.49	9/17/2017 3:30 AM	7.37	9/18/2017 3:30 AM	7.52
9/16/2017 3:45 AM	7.48	9/17/2017 3:45 AM	7.36	9/18/2017 3:45 AM	7.51
9/16/2017 4:00 AM	7.48	9/17/2017 4:00 AM	7.36	9/18/2017 4:00 AM	7.50
9/16/2017 4:15 AM	7.47	9/17/2017 4:15 AM	7.33	9/18/2017 4:15 AM	7.49
9/16/2017 4:30 AM	7.40	9/17/2017 4:30 AM	7.50	9/18/2017 4:30 AM	7.48
9/16/2017 4:45 AM	7.38	9/17/2017 4:45 AM	7.53	9/18/2017 4:45 AM	7.47
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9/16/2017 5:30 AM	7.36	9/17/2017 5:30 AM	7.51	9/18/2017 5:30 AM	7.46
9/16/2017 5:45 AM	7.44	9/17/2017 5:45 AM	7.50	9/18/2017 5:45 AM	7.45
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9/16/2017 9:45 AM	7.31	9/17/2017 9:45 AM	7.52	9/18/2017 9:45 AM	7.55
9/16/2017 10:00 AM	7.30	9/17/2017 10:00 AM	7.52	9/18/2017 10:00 AM	7.54
9/16/2017 10:15 AM	7.30	9/17/2017 10:15 AM	7.51	9/18/2017 10:15 AM	7.53
9/16/2017 10:30 AM	7.23	9/17/2017 10:30 AM	7.53	9/18/2017 10:30 AM	7.42
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9/16/2017 2:00 PM	7.46	9/17/2017 2:00 PM	7.36	9/18/2017 2:00 PM	7.53
9/16/2017 2:15 PM	7.43	9/17/2017 2:15 PM	7.32	9/18/2017 2:15 PM	7.52
9/16/2017 2:30 PM	7.39	9/17/2017 2:30 PM	7.26	9/18/2017 2:30 PM	7.50
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9/16/2017 4:00 PM	7.54	9/17/2017 4:00 PM	7.53	9/18/2017 4:00 PM	7.41
9/16/2017 4:15 PM	7.53	9/17/2017 4:15 PM	7.52	9/18/2017 4:15 PM	7.40
9/16/2017 4:30 PM	7.52	9/17/2017 4:30 PM	7.47	9/18/2017 4:30 PM	7.40
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9/16/2017 6:15 PM	7.51	9/17/2017 6:15 PM	7.53	9/18/2017 6:15 PM	7.40
9/16/2017 6:30 PM	7.46	9/17/2017 6:30 PM	7.53	9/18/2017 6:30 PM	7.39
9/16/2017 6:45 PM	7.43	9/17/2017 6:45 PM	7.52	9/18/2017 6:45 PM	7.38
9/16/2017 7:00 PM	7.50	9/17/2017 7:00 PM	7.51	9/18/2017 7:00 PM	7.38

9/16/2017 7:15 PM	7.51	9/17/2017 7:15 PM	7.50	9/18/2017 7:15 PM	7.38
9/16/2017 7:30 PM	7.51	9/17/2017 7:30 PM	7.50	9/18/2017 7:30 PM	7.51
9/16/2017 7:45 PM	7.51	9/17/2017 7:45 PM	7.50	9/18/2017 7:45 PM	7.49
9/16/2017 8:00 PM	7.50	9/17/2017 8:00 PM	7.50	9/18/2017 8:00 PM	7.44
9/16/2017 8:15 PM	7.49	9/17/2017 8:15 PM	7.49	9/18/2017 8:15 PM	7.42
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9/16/2017 11:30 PM	7.37	9/17/2017 11:30 PM	7.43	9/18/2017 11:30 PM	7.48
9/16/2017 11:45 PM	7.50	9/17/2017 11:45 PM	7.43	9/18/2017 11:45 PM	7.47

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Date And Time	pH	Date And Time	pH	Date And Time	pH
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9/19/2017 12:30 AM	7.39	9/20/2017 12:30 AM	7.53	9/21/2017 12:30 AM	7.50
9/19/2017 12:45 AM	7.38	9/20/2017 12:45 AM	7.52	9/21/2017 12:45 AM	7.49
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9/19/2017 4:15 AM	7.53	9/20/2017 4:15 AM	7.43	9/21/2017 4:15 AM	7.52
9/19/2017 4:30 AM	7.43	9/20/2017 4:30 AM	7.54	9/21/2017 4:30 AM	7.51
9/19/2017 4:45 AM	7.41	9/20/2017 4:45 AM	7.55	9/21/2017 4:45 AM	7.50
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9/19/2017 5:30 AM	7.39	9/20/2017 5:30 AM	7.52	9/21/2017 5:30 AM	7.49
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9/19/2017 12:45 PM	7.55	9/20/2017 12:45 PM	7.38	9/21/2017 12:45 PM	7.54
9/19/2017 1:00 PM	7.55	9/20/2017 1:00 PM	7.32	9/21/2017 1:00 PM	7.53
9/19/2017 1:15 PM	7.54	9/20/2017 1:15 PM	7.47	9/21/2017 1:15 PM	7.53
9/19/2017 1:30 PM	7.52	9/20/2017 1:30 PM	7.52	9/21/2017 1:30 PM	7.52
9/19/2017 1:45 PM	7.50	9/20/2017 1:45 PM	7.53	9/21/2017 1:45 PM	7.50

9/19/2017 2:00 PM	7.45	9/20/2017 2:00 PM	7.53	9/21/2017 2:00 PM	7.48
9/19/2017 2:15 PM	7.41	9/20/2017 2:15 PM	7.53	9/21/2017 2:15 PM	7.47
9/19/2017 2:30 PM	7.32	9/20/2017 2:30 PM	7.52	9/21/2017 2:30 PM	7.48
9/19/2017 2:45 PM	7.48	9/20/2017 2:45 PM	7.51	9/21/2017 2:45 PM	7.47
9/19/2017 3:00 PM	7.54	9/20/2017 3:00 PM	7.50	9/21/2017 3:00 PM	7.47
9/19/2017 3:15 PM	7.56	9/20/2017 3:15 PM	7.47	9/21/2017 3:15 PM	7.44
9/19/2017 3:30 PM	7.57	9/20/2017 3:30 PM	7.45	9/21/2017 3:30 PM	7.43
9/19/2017 3:45 PM	7.56	9/20/2017 3:45 PM	7.44	9/21/2017 3:45 PM	7.41
9/19/2017 4:00 PM	7.55	9/20/2017 4:00 PM	7.43	9/21/2017 4:00 PM	7.40
9/19/2017 4:15 PM	7.53	9/20/2017 4:15 PM	7.42	9/21/2017 4:15 PM	7.39
9/19/2017 4:30 PM	7.51	9/20/2017 4:30 PM	7.59	9/21/2017 4:30 PM	7.61
9/19/2017 4:45 PM	7.50	9/20/2017 4:45 PM	7.54	9/21/2017 4:45 PM	7.55
9/19/2017 5:00 PM	7.52	9/20/2017 5:00 PM	7.48	9/21/2017 5:00 PM	7.50
9/19/2017 5:15 PM	7.52	9/20/2017 5:15 PM	7.45	9/21/2017 5:15 PM	7.47
9/19/2017 5:30 PM	7.51	9/20/2017 5:30 PM	7.44	9/21/2017 5:30 PM	7.45
9/19/2017 5:45 PM	7.53	9/20/2017 5:45 PM	7.50	9/21/2017 5:45 PM	7.45
9/19/2017 6:00 PM	7.49	9/20/2017 6:00 PM	7.52	9/21/2017 6:00 PM	7.43
9/19/2017 6:15 PM	7.48	9/20/2017 6:15 PM	7.54	9/21/2017 6:15 PM	7.53
9/19/2017 6:30 PM	7.45	9/20/2017 6:30 PM	7.54	9/21/2017 6:30 PM	7.56
9/19/2017 6:45 PM	7.42	9/20/2017 6:45 PM	7.54	9/21/2017 6:45 PM	7.56
9/19/2017 7:00 PM	7.49	9/20/2017 7:00 PM	7.53	9/21/2017 7:00 PM	7.57
9/19/2017 7:15 PM	7.51	9/20/2017 7:15 PM	7.51	9/21/2017 7:15 PM	7.56
9/19/2017 7:30 PM	7.51	9/20/2017 7:30 PM	7.50	9/21/2017 7:30 PM	7.49
9/19/2017 7:45 PM	7.51	9/20/2017 7:45 PM	7.49	9/21/2017 7:45 PM	7.47
9/19/2017 8:00 PM	7.50	9/20/2017 8:00 PM	7.48	9/21/2017 8:00 PM	7.46
9/19/2017 8:15 PM	7.50	9/20/2017 8:15 PM	7.47	9/21/2017 8:15 PM	7.46
9/19/2017 8:30 PM	7.49	9/20/2017 8:30 PM	7.46	9/21/2017 8:30 PM	7.45
9/19/2017 8:45 PM	7.49	9/20/2017 8:45 PM	7.50	9/21/2017 8:45 PM	7.56
9/19/2017 9:00 PM	7.48	9/20/2017 9:00 PM	7.47	9/21/2017 9:00 PM	7.58
9/19/2017 9:15 PM	7.48	9/20/2017 9:15 PM	7.45	9/21/2017 9:15 PM	7.58
9/19/2017 9:30 PM	7.48	9/20/2017 9:30 PM	7.43	9/21/2017 9:30 PM	7.58
9/19/2017 9:45 PM	7.47	9/20/2017 9:45 PM	7.42	9/21/2017 9:45 PM	7.57
9/19/2017 10:00 PM	7.47	9/20/2017 10:00 PM	7.41	9/21/2017 10:00 PM	7.56
9/19/2017 10:15 PM	7.50	9/20/2017 10:15 PM	7.41	9/21/2017 10:15 PM	7.55
9/19/2017 10:30 PM	7.43	9/20/2017 10:30 PM	7.44	9/21/2017 10:30 PM	7.55
9/19/2017 10:45 PM	7.42	9/20/2017 10:45 PM	7.52	9/21/2017 10:45 PM	7.54
9/19/2017 11:00 PM	7.40	9/20/2017 11:00 PM	7.54	9/21/2017 11:00 PM	7.53
9/19/2017 11:15 PM	7.39	9/20/2017 11:15 PM	7.54	9/21/2017 11:15 PM	7.53
9/19/2017 11:30 PM	7.39	9/20/2017 11:30 PM	7.53	9/21/2017 11:30 PM	7.53
9/19/2017 11:45 PM	7.44	9/20/2017 11:45 PM	7.52	9/21/2017 11:45 PM	7.52

AVG

7.49

AVG

7.48

AVG

7.49

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/22/2017 12:00 AM	7.52	9/23/2017 12:00 AM	7.41	9/24/2017 12:00 AM	7.49
9/22/2017 12:15 AM	7.51	9/23/2017 12:15 AM	7.49	9/24/2017 12:15 AM	7.41
9/22/2017 12:30 AM	7.51	9/23/2017 12:30 AM	7.53	9/24/2017 12:30 AM	7.60
9/22/2017 12:45 AM	7.51	9/23/2017 12:45 AM	7.54	9/24/2017 12:45 AM	7.65
9/22/2017 1:00 AM	7.50	9/23/2017 1:00 AM	7.54	9/24/2017 1:00 AM	7.65
9/22/2017 1:15 AM	7.50	9/23/2017 1:15 AM	7.54	9/24/2017 1:15 AM	7.63
9/22/2017 1:30 AM	7.50	9/23/2017 1:30 AM	7.53	9/24/2017 1:30 AM	7.53
9/22/2017 1:45 AM	7.49	9/23/2017 1:45 AM	7.53	9/24/2017 1:45 AM	7.51
9/22/2017 2:00 AM	7.49	9/23/2017 2:00 AM	7.53	9/24/2017 2:00 AM	7.50
9/22/2017 2:15 AM	7.49	9/23/2017 2:15 AM	7.52	9/24/2017 2:15 AM	7.50
9/22/2017 2:30 AM	7.49	9/23/2017 2:30 AM	7.52	9/24/2017 2:30 AM	7.50
9/22/2017 2:45 AM	7.48	9/23/2017 2:45 AM	7.52	9/24/2017 2:45 AM	7.49
9/22/2017 3:00 AM	7.48	9/23/2017 3:00 AM	7.52	9/24/2017 3:00 AM	7.63
9/22/2017 3:15 AM	7.47	9/23/2017 3:15 AM	7.51	9/24/2017 3:15 AM	7.66
9/22/2017 3:30 AM	7.47	9/23/2017 3:30 AM	7.51	9/24/2017 3:30 AM	7.66
9/22/2017 3:45 AM	7.47	9/23/2017 3:45 AM	7.51	9/24/2017 3:45 AM	7.64
9/22/2017 4:00 AM	7.47	9/23/2017 4:00 AM	7.51	9/24/2017 4:00 AM	7.63
9/22/2017 4:15 AM	7.52	9/23/2017 4:15 AM	7.51	9/24/2017 4:15 AM	7.62
9/22/2017 4:30 AM	7.46	9/23/2017 4:30 AM	7.51	9/24/2017 4:30 AM	7.61
9/22/2017 4:45 AM	7.44	9/23/2017 4:45 AM	7.50	9/24/2017 4:45 AM	7.60
9/22/2017 5:00 AM	7.43	9/23/2017 5:00 AM	7.50	9/24/2017 5:00 AM	7.60
9/22/2017 5:15 AM	7.42	9/23/2017 5:15 AM	7.50	9/24/2017 5:15 AM	7.59
9/22/2017 5:30 AM	7.42	9/23/2017 5:30 AM	7.50	9/24/2017 5:30 AM	7.58
9/22/2017 5:45 AM	7.42	9/23/2017 5:45 AM	7.50	9/24/2017 5:45 AM	7.58
9/22/2017 6:00 AM	7.50	9/23/2017 6:00 AM	7.50	9/24/2017 6:00 AM	7.57
9/22/2017 6:15 AM	7.58	9/23/2017 6:15 AM	7.50	9/24/2017 6:15 AM	7.57
9/22/2017 6:30 AM	7.58	9/23/2017 6:30 AM	7.50	9/24/2017 6:30 AM	7.57
9/22/2017 6:45 AM	7.58	9/23/2017 6:45 AM	7.50	9/24/2017 6:45 AM	7.56
9/22/2017 7:00 AM	7.56	9/23/2017 7:00 AM	7.49	9/24/2017 7:00 AM	7.56
9/22/2017 7:15 AM	7.55	9/23/2017 7:15 AM	7.49	9/24/2017 7:15 AM	7.56
9/22/2017 7:30 AM	7.54	9/23/2017 7:30 AM	7.50	9/24/2017 7:30 AM	7.55
9/22/2017 7:45 AM	7.54	9/23/2017 7:45 AM	7.48	9/24/2017 7:45 AM	7.55
9/22/2017 8:00 AM	7.53	9/23/2017 8:00 AM	7.47	9/24/2017 8:00 AM	7.55
9/22/2017 8:15 AM	7.53	9/23/2017 8:15 AM	7.46	9/24/2017 8:15 AM	7.54
9/22/2017 8:30 AM	7.52	9/23/2017 8:30 AM	7.45	9/24/2017 8:30 AM	7.54
9/22/2017 8:45 AM	7.52	9/23/2017 8:45 AM	7.48	9/24/2017 8:45 AM	7.53
9/22/2017 9:00 AM	7.45	9/23/2017 9:00 AM	7.57	9/24/2017 9:00 AM	7.53
9/22/2017 9:15 AM	7.42	9/23/2017 9:15 AM	7.58	9/24/2017 9:15 AM	7.52
9/22/2017 9:30 AM	7.40	9/23/2017 9:30 AM	7.58	9/24/2017 9:30 AM	7.53
9/22/2017 9:45 AM	7.39	9/23/2017 9:45 AM	7.56	9/24/2017 9:45 AM	7.54
9/22/2017 10:00 AM	7.39	9/23/2017 10:00 AM	7.56	9/24/2017 10:00 AM	7.56
9/22/2017 10:15 AM	7.38	9/23/2017 10:15 AM	7.57	9/24/2017 10:15 AM	7.57
9/22/2017 10:30 AM	7.38	9/23/2017 10:30 AM	7.59	9/24/2017 10:30 AM	7.50
9/22/2017 10:45 AM	7.54	9/23/2017 10:45 AM	7.59	9/24/2017 10:45 AM	7.46
9/22/2017 11:00 AM	7.58	9/23/2017 11:00 AM	7.60	9/24/2017 11:00 AM	7.44
9/22/2017 11:15 AM	7.59	9/23/2017 11:15 AM	7.60	9/24/2017 11:15 AM	7.43
9/22/2017 11:30 AM	7.59	9/23/2017 11:30 AM	7.60	9/24/2017 11:30 AM	7.43
9/22/2017 11:45 AM	7.60	9/23/2017 11:45 AM	7.61	9/24/2017 11:45 AM	7.60
9/22/2017 12:00 PM	7.58	9/23/2017 12:00 PM	7.55	9/24/2017 12:00 PM	7.65
9/22/2017 12:15 PM	7.57	9/23/2017 12:15 PM	7.54	9/24/2017 12:15 PM	7.65
9/22/2017 12:30 PM	7.56	9/23/2017 12:30 PM	7.50	9/24/2017 12:30 PM	7.64
9/22/2017 12:45 PM	7.56	9/23/2017 12:45 PM	7.40	9/24/2017 12:45 PM	7.64
9/22/2017 1:00 PM	7.54	9/23/2017 1:00 PM	7.54	9/24/2017 1:00 PM	7.63
9/22/2017 1:15 PM	7.59	9/23/2017 1:15 PM	7.60	9/24/2017 1:15 PM	7.62
9/22/2017 1:30 PM	7.58	9/23/2017 1:30 PM	7.62	9/24/2017 1:30 PM	7.62
9/22/2017 1:45 PM	7.54	9/23/2017 1:45 PM	7.62	9/24/2017 1:45 PM	7.61
9/22/2017 2:00 PM	7.50	9/23/2017 2:00 PM	7.61	9/24/2017 2:00 PM	
9/22/2017 2:15 PM	7.45	9/23/2017 2:15 PM	7.60	9/24/2017 2:15 PM	
9/22/2017 2:30 PM	7.54	9/23/2017 2:30 PM	7.60	9/24/2017 2:30 PM	
9/22/2017 2:45 PM	7.58	9/23/2017 2:45 PM	7.58	9/24/2017 2:45 PM	
9/22/2017 3:00 PM	7.61	9/23/2017 3:00 PM	7.56	9/24/2017 3:00 PM	
9/22/2017 3:15 PM	7.60	9/23/2017 3:15 PM	7.53	9/24/2017 3:15 PM	
9/22/2017 3:30 PM	7.59	9/23/2017 3:30 PM	7.51	9/24/2017 3:30 PM	
9/22/2017 3:45 PM	7.58	9/23/2017 3:45 PM	7.49	9/24/2017 3:45 PM	
9/22/2017 4:00 PM	7.57	9/23/2017 4:00 PM	7.48	9/24/2017 4:00 PM	
9/22/2017 4:15 PM	7.56	9/23/2017 4:15 PM	7.47	9/24/2017 4:15 PM	
9/22/2017 4:30 PM	7.54	9/23/2017 4:30 PM	7.65	9/24/2017 4:30 PM	
9/22/2017 4:45 PM	7.53	9/23/2017 4:45 PM	7.60	9/24/2017 4:45 PM	
9/22/2017 5:00 PM	7.52	9/23/2017 5:00 PM	7.55	9/24/2017 5:00 PM	
9/22/2017 5:15 PM	7.51	9/23/2017 5:15 PM	7.52	9/24/2017 5:15 PM	
9/22/2017 5:30 PM	7.50	9/23/2017 5:30 PM	7.50	9/24/2017 5:30 PM	
9/22/2017 5:45 PM	7.50	9/23/2017 5:45 PM	7.45	9/24/2017 5:45 PM	
9/22/2017 6:00 PM	7.50	9/23/2017 6:00 PM	7.55	9/24/2017 6:00 PM	
9/22/2017 6:15 PM	7.49	9/23/2017 6:15 PM	7.59	9/24/2017 6:15 PM	
9/22/2017 6:30 PM	7.48	9/23/2017 6:30 PM	7.60	9/24/2017 6:30 PM	
9/22/2017 6:45 PM	7.48	9/23/2017 6:45 PM	7.61	9/24/2017 6:45 PM	
9/22/2017 7:00 PM	7.47	9/23/2017 7:00 PM	7.61	9/24/2017 7:00 PM	

9/22/2017 7:15 PM	7.46	9/23/2017 7:15 PM	7.60	9/24/2017 7:15 PM
9/22/2017 7:30 PM	7.46	9/23/2017 7:30 PM	7.59	9/24/2017 7:30 PM
9/22/2017 7:45 PM	7.45	9/23/2017 7:45 PM	7.57	9/24/2017 7:45 PM
9/22/2017 8:00 PM	7.45	9/23/2017 8:00 PM	7.56	9/24/2017 8:00 PM
9/22/2017 8:15 PM	7.44	9/23/2017 8:15 PM	7.55	9/24/2017 8:15 PM
9/22/2017 8:30 PM	7.44	9/23/2017 8:30 PM	7.55	9/24/2017 8:30 PM
9/22/2017 8:45 PM	7.44	9/23/2017 8:45 PM	7.57	9/24/2017 8:45 PM
9/22/2017 9:00 PM	7.44	9/23/2017 9:00 PM	7.52	9/24/2017 9:00 PM
9/22/2017 9:15 PM	7.44	9/23/2017 9:15 PM	7.51	9/24/2017 9:15 PM
9/22/2017 9:30 PM	7.44	9/23/2017 9:30 PM	7.50	9/24/2017 9:30 PM
9/22/2017 9:45 PM	7.44	9/23/2017 9:45 PM	7.49	9/24/2017 9:45 PM
9/22/2017 10:00 PM	7.44	9/23/2017 10:00 PM	7.48	9/24/2017 10:00 PM
9/22/2017 10:15 PM	7.44	9/23/2017 10:15 PM	7.48	9/24/2017 10:15 PM
9/22/2017 10:30 PM	7.44	9/23/2017 10:30 PM	7.40	9/24/2017 10:30 PM
9/22/2017 10:45 PM	7.43	9/23/2017 10:45 PM	7.56	9/24/2017 10:45 PM
9/22/2017 11:00 PM	7.43	9/23/2017 11:00 PM	7.54	9/24/2017 11:00 PM
9/22/2017 11:15 PM	7.43	9/23/2017 11:15 PM	7.50	9/24/2017 11:15 PM
9/22/2017 11:30 PM	7.43	9/23/2017 11:30 PM	7.49	9/24/2017 11:30 PM
9/22/2017 11:45 PM	7.56	9/23/2017 11:45 PM	7.49	9/24/2017 11:45 PM

AVG

7.50

AVG

7.53

AVG

7.57

Note: Communications loss on 9/24/2017 from 2:00PM through 11:45PM, data for this time is not included in the average.

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/25/2017 12:00 AM		9/26/2017 12:00 AM	7.64	9/27/2017 12:00 AM	7.63
9/25/2017 12:15 AM		9/26/2017 12:15 AM	7.65	9/27/2017 12:15 AM	7.63
9/25/2017 12:30 AM		9/26/2017 12:30 AM	7.65	9/27/2017 12:30 AM	7.62
9/25/2017 12:45 AM		9/26/2017 12:45 AM	7.64	9/27/2017 12:45 AM	7.62
9/25/2017 1:00 AM		9/26/2017 1:00 AM	7.64	9/27/2017 1:00 AM	7.62
9/25/2017 1:15 AM		9/26/2017 1:15 AM	7.63	9/27/2017 1:15 AM	7.65
9/25/2017 1:30 AM		9/26/2017 1:30 AM	7.63	9/27/2017 1:30 AM	7.57
9/25/2017 1:45 AM		9/26/2017 1:45 AM	7.62	9/27/2017 1:45 AM	7.56
9/25/2017 2:00 AM		9/26/2017 2:00 AM	7.62	9/27/2017 2:00 AM	7.55
9/25/2017 2:15 AM		9/26/2017 2:15 AM	7.62	9/27/2017 2:15 AM	7.54
9/25/2017 2:30 AM		9/26/2017 2:30 AM	7.61	9/27/2017 2:30 AM	7.54
9/25/2017 2:45 AM		9/26/2017 2:45 AM	7.61	9/27/2017 2:45 AM	7.48
9/25/2017 3:00 AM		9/26/2017 3:00 AM	7.57	9/27/2017 3:00 AM	7.64
9/25/2017 3:15 AM		9/26/2017 3:15 AM	7.55	9/27/2017 3:15 AM	7.68
9/25/2017 3:30 AM		9/26/2017 3:30 AM	7.54	9/27/2017 3:30 AM	7.68
9/25/2017 3:45 AM		9/26/2017 3:45 AM	7.53	9/27/2017 3:45 AM	7.67
9/25/2017 4:00 AM		9/26/2017 4:00 AM	7.53	9/27/2017 4:00 AM	7.66
9/25/2017 4:15 AM		9/26/2017 4:15 AM	7.50	9/27/2017 4:15 AM	7.66
9/25/2017 4:30 AM		9/26/2017 4:30 AM	7.64	9/27/2017 4:30 AM	7.65
9/25/2017 4:45 AM		9/26/2017 4:45 AM	7.67	9/27/2017 4:45 AM	7.64
9/25/2017 5:00 AM		9/26/2017 5:00 AM	7.67	9/27/2017 5:00 AM	7.63
9/25/2017 5:15 AM		9/26/2017 5:15 AM	7.67	9/27/2017 5:15 AM	7.63
9/25/2017 5:30 AM		9/26/2017 5:30 AM	7.66	9/27/2017 5:30 AM	7.62
9/25/2017 5:45 AM		9/26/2017 5:45 AM	7.65	9/27/2017 5:45 AM	7.62
9/25/2017 6:00 AM		9/26/2017 6:00 AM	7.64	9/27/2017 6:00 AM	7.61
9/25/2017 6:15 AM		9/26/2017 6:15 AM	7.63	9/27/2017 6:15 AM	7.61
9/25/2017 6:30 AM		9/26/2017 6:30 AM	7.63	9/27/2017 6:30 AM	7.61
9/25/2017 6:45 AM		9/26/2017 6:45 AM	7.62	9/27/2017 6:45 AM	7.60
9/25/2017 7:00 AM		9/26/2017 7:00 AM	7.62	9/27/2017 7:00 AM	7.60
9/25/2017 7:15 AM		9/26/2017 7:15 AM	7.61	9/27/2017 7:15 AM	7.60
9/25/2017 7:30 AM	7.61	9/26/2017 7:30 AM	7.56	9/27/2017 7:30 AM	7.59
9/25/2017 7:45 AM	7.60	9/26/2017 7:45 AM	7.54	9/27/2017 7:45 AM	7.59
9/25/2017 8:00 AM	7.60	9/26/2017 8:00 AM	7.53	9/27/2017 8:00 AM	7.59
9/25/2017 8:15 AM	7.59	9/26/2017 8:15 AM	7.52	9/27/2017 8:15 AM	7.59
9/25/2017 8:30 AM	7.59	9/26/2017 8:30 AM	7.52	9/27/2017 8:30 AM	7.58
9/25/2017 8:45 AM	7.59	9/26/2017 8:45 AM	7.50	9/27/2017 8:45 AM	7.58
9/25/2017 9:00 AM	7.52	9/26/2017 9:00 AM	7.65	9/27/2017 9:00 AM	7.57
9/25/2017 9:15 AM	7.49	9/26/2017 9:15 AM	7.67	9/27/2017 9:15 AM	7.57
9/25/2017 9:30 AM	7.48	9/26/2017 9:30 AM	7.67	9/27/2017 9:30 AM	7.58
9/25/2017 9:45 AM	7.46	9/26/2017 9:45 AM	7.67	9/27/2017 9:45 AM	7.59
9/25/2017 10:00 AM	7.46	9/26/2017 10:00 AM	7.67	9/27/2017 10:00 AM	7.60
9/25/2017 10:15 AM	7.42	9/26/2017 10:15 AM	7.67	9/27/2017 10:15 AM	7.62
9/25/2017 10:30 AM	7.61	9/26/2017 10:30 AM	7.68	9/27/2017 10:30 AM	7.64
9/25/2017 10:45 AM	7.54	9/26/2017 10:45 AM	7.67	9/27/2017 10:45 AM	7.54
9/25/2017 11:00 AM	7.49	9/26/2017 11:00 AM	7.67	9/27/2017 11:00 AM	7.53
9/25/2017 11:15 AM	7.48	9/26/2017 11:15 AM	7.68	9/27/2017 11:15 AM	7.51
9/25/2017 11:30 AM	7.42	9/26/2017 11:30 AM	7.68	9/27/2017 11:30 AM	7.51
9/25/2017 11:45 AM	7.64	9/26/2017 11:45 AM	7.68	9/27/2017 11:45 AM	7.57
9/25/2017 12:00 PM	7.69	9/26/2017 12:00 PM	7.63	9/27/2017 12:00 PM	7.68
9/25/2017 12:15 PM	7.69	9/26/2017 12:15 PM	7.62	9/27/2017 12:15 PM	7.70
9/25/2017 12:30 PM	7.69	9/26/2017 12:30 PM	7.59	9/27/2017 12:30 PM	7.70
9/25/2017 12:45 PM	7.68	9/26/2017 12:45 PM	7.50	9/27/2017 12:45 PM	7.69
9/25/2017 1:00 PM	7.68	9/26/2017 1:00 PM	7.63	9/27/2017 1:00 PM	7.69
9/25/2017 1:15 PM	7.66	9/26/2017 1:15 PM	7.67	9/27/2017 1:15 PM	7.69
9/25/2017 1:30 PM	7.70	9/26/2017 1:30 PM	7.70	9/27/2017 1:30 PM	7.67
9/25/2017 1:45 PM	7.66	9/26/2017 1:45 PM	7.70	9/27/2017 1:45 PM	7.66
9/25/2017 2:00 PM	7.62	9/26/2017 2:00 PM	7.69	9/27/2017 2:00 PM	7.66
9/25/2017 2:15 PM	7.54	9/26/2017 2:15 PM	7.68	9/27/2017 2:15 PM	7.66
9/25/2017 2:30 PM	7.64	9/26/2017 2:30 PM	7.68	9/27/2017 2:30 PM	7.65
9/25/2017 2:45 PM	7.68	9/26/2017 2:45 PM	7.67	9/27/2017 2:45 PM	7.64
9/25/2017 3:00 PM	7.70	9/26/2017 3:00 PM	7.65	9/27/2017 3:00 PM	7.75
9/25/2017 3:15 PM	7.69	9/26/2017 3:15 PM	7.61	9/27/2017 3:15 PM	7.71
9/25/2017 3:30 PM	7.68	9/26/2017 3:30 PM	7.59	9/27/2017 3:30 PM	7.66
9/25/2017 3:45 PM	7.67	9/26/2017 3:45 PM	7.57	9/27/2017 3:45 PM	7.63
9/25/2017 4:00 PM	7.66	9/26/2017 4:00 PM	7.56	9/27/2017 4:00 PM	7.61
9/25/2017 4:15 PM	7.64	9/26/2017 4:15 PM	7.55	9/27/2017 4:15 PM	7.66
9/25/2017 4:30 PM	7.64	9/26/2017 4:30 PM	7.70	9/27/2017 4:30 PM	7.69
9/25/2017 4:45 PM	7.63	9/26/2017 4:45 PM	7.66	9/27/2017 4:45 PM	7.72
9/25/2017 5:00 PM	7.62	9/26/2017 5:00 PM	7.62	9/27/2017 5:00 PM	7.72
9/25/2017 5:15 PM	7.61	9/26/2017 5:15 PM	7.58	9/27/2017 5:15 PM	7.70
9/25/2017 5:30 PM	7.60	9/26/2017 5:30 PM	7.57	9/27/2017 5:30 PM	7.70
9/25/2017 5:45 PM	7.60	9/26/2017 5:45 PM	7.58	9/27/2017 5:45 PM	7.68
9/25/2017 6:00 PM	7.59	9/26/2017 6:00 PM	7.65	9/27/2017 6:00 PM	7.66
9/25/2017 6:15 PM	7.58	9/26/2017 6:15 PM	7.67	9/27/2017 6:15 PM	7.65
9/25/2017 6:30 PM	7.57	9/26/2017 6:30 PM	7.69	9/27/2017 6:30 PM	7.63
9/25/2017 6:45 PM	7.57	9/26/2017 6:45 PM	7.69	9/27/2017 6:45 PM	7.62
9/25/2017 7:00 PM	7.56	9/26/2017 7:00 PM	7.68	9/27/2017 7:00 PM	7.61

9/25/2017 7:15 PM	7.56	9/26/2017 7:15 PM	7.67	9/27/2017 7:15 PM	7.65
9/25/2017 7:30 PM	7.55	9/26/2017 7:30 PM	7.65	9/27/2017 7:30 PM	7.70
9/25/2017 7:45 PM	7.54	9/26/2017 7:45 PM	7.64	9/27/2017 7:45 PM	7.67
9/25/2017 8:00 PM	7.54	9/26/2017 8:00 PM	7.62	9/27/2017 8:00 PM	7.64
9/25/2017 8:15 PM	7.53	9/26/2017 8:15 PM	7.61	9/27/2017 8:15 PM	7.62
9/25/2017 8:30 PM	7.53	9/26/2017 8:30 PM	7.60	9/27/2017 8:30 PM	7.61
9/25/2017 8:45 PM	7.53	9/26/2017 8:45 PM	7.64	9/27/2017 8:45 PM	7.56
9/25/2017 9:00 PM	7.53	9/26/2017 9:00 PM	7.60	9/27/2017 9:00 PM	7.66
9/25/2017 9:15 PM	7.53	9/26/2017 9:15 PM	7.59	9/27/2017 9:15 PM	7.69
9/25/2017 9:30 PM	7.53	9/26/2017 9:30 PM	7.57	9/27/2017 9:30 PM	7.69
9/25/2017 9:45 PM	7.53	9/26/2017 9:45 PM	7.56	9/27/2017 9:45 PM	7.68
9/25/2017 10:00 PM	7.53	9/26/2017 10:00 PM	7.55	9/27/2017 10:00 PM	7.68
9/25/2017 10:15 PM	7.62	9/26/2017 10:15 PM	7.64	9/27/2017 10:15 PM	7.67
9/25/2017 10:30 PM	7.65	9/26/2017 10:30 PM	7.66	9/27/2017 10:30 PM	7.67
9/25/2017 10:45 PM	7.62	9/26/2017 10:45 PM	7.67	9/27/2017 10:45 PM	7.66
9/25/2017 11:00 PM	7.58	9/26/2017 11:00 PM	7.66	9/27/2017 11:00 PM	7.66
9/25/2017 11:15 PM	7.56	9/26/2017 11:15 PM	7.65	9/27/2017 11:15 PM	7.65
9/25/2017 11:30 PM	7.55	9/26/2017 11:30 PM	7.65	9/27/2017 11:30 PM	7.65
9/25/2017 11:45 PM	7.59	9/26/2017 11:45 PM	7.64	9/27/2017 11:45 PM	7.67

AVG

7.59

AVG

7.63

AVG

7.63

Note: Communications loss on 9/25/2017 from 12:00AM through 7:15AM - data for this time is not included in the average.

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/28/2017 12:00 AM	7.61	9/29/2017 12:00 AM	7.72	9/30/2017 12:00 AM	7.68
9/28/2017 12:15 AM	7.59	9/29/2017 12:15 AM	7.71	9/30/2017 12:15 AM	7.68
9/28/2017 12:30 AM	7.59	9/29/2017 12:30 AM	7.70	9/30/2017 12:30 AM	7.67
9/28/2017 12:45 AM	7.58	9/29/2017 12:45 AM	7.69	9/30/2017 12:45 AM	7.67
9/28/2017 1:00 AM	7.58	9/29/2017 1:00 AM	7.68	9/30/2017 1:00 AM	7.66
9/28/2017 1:15 AM	7.58	9/29/2017 1:15 AM	7.68	9/30/2017 1:15 AM	7.66
9/28/2017 1:30 AM	7.69	9/29/2017 1:30 AM	7.67	9/30/2017 1:30 AM	7.62
9/28/2017 1:45 AM	7.71	9/29/2017 1:45 AM	7.66	9/30/2017 1:45 AM	7.61
9/28/2017 2:00 AM	7.71	9/29/2017 2:00 AM	7.66	9/30/2017 2:00 AM	7.60
9/28/2017 2:15 AM	7.70	9/29/2017 2:15 AM	7.66	9/30/2017 2:15 AM	7.59
9/28/2017 2:30 AM	7.69	9/29/2017 2:30 AM	7.65	9/30/2017 2:30 AM	7.59
9/28/2017 2:45 AM	7.68	9/29/2017 2:45 AM	7.65	9/30/2017 2:45 AM	7.55
9/28/2017 3:00 AM	7.68	9/29/2017 3:00 AM	7.60	9/30/2017 3:00 AM	7.71
9/28/2017 3:15 AM	7.67	9/29/2017 3:15 AM	7.59	9/30/2017 3:15 AM	7.74
9/28/2017 3:30 AM	7.67	9/29/2017 3:30 AM	7.58	9/30/2017 3:30 AM	7.74
9/28/2017 3:45 AM	7.66	9/29/2017 3:45 AM	7.58	9/30/2017 3:45 AM	7.74
9/28/2017 4:00 AM	7.66	9/29/2017 4:00 AM	7.58	9/30/2017 4:00 AM	7.73
9/28/2017 4:15 AM	7.65	9/29/2017 4:15 AM	7.59	9/30/2017 4:15 AM	7.72
9/28/2017 4:30 AM	7.60	9/29/2017 4:30 AM	7.71	9/30/2017 4:30 AM	7.71
9/28/2017 4:45 AM	7.59	9/29/2017 4:45 AM	7.73	9/30/2017 4:45 AM	7.70
9/28/2017 5:00 AM	7.58	9/29/2017 5:00 AM	7.72	9/30/2017 5:00 AM	7.69
9/28/2017 5:15 AM	7.58	9/29/2017 5:15 AM	7.71	9/30/2017 5:15 AM	7.69
9/28/2017 5:30 AM	7.57	9/29/2017 5:30 AM	7.70	9/30/2017 5:30 AM	7.68
9/28/2017 5:45 AM	7.69	9/29/2017 5:45 AM	7.69	9/30/2017 5:45 AM	7.68
9/28/2017 6:00 AM	7.72	9/29/2017 6:00 AM	7.68	9/30/2017 6:00 AM	7.63
9/28/2017 6:15 AM	7.71	9/29/2017 6:15 AM	7.68	9/30/2017 6:15 AM	7.61
9/28/2017 6:30 AM	7.70	9/29/2017 6:30 AM	7.68	9/30/2017 6:30 AM	7.60
9/28/2017 6:45 AM	7.70	9/29/2017 6:45 AM	7.68	9/30/2017 6:45 AM	7.60
9/28/2017 7:00 AM	7.69	9/29/2017 7:00 AM	7.68	9/30/2017 7:00 AM	7.60
9/28/2017 7:15 AM	7.68	9/29/2017 7:15 AM	7.68	9/30/2017 7:15 AM	7.60
9/28/2017 7:30 AM	7.68	9/29/2017 7:30 AM	7.61	9/30/2017 7:30 AM	7.70
9/28/2017 7:45 AM	7.67	9/29/2017 7:45 AM	7.59	9/30/2017 7:45 AM	7.75
9/28/2017 8:00 AM	7.66	9/29/2017 8:00 AM	7.58	9/30/2017 8:00 AM	7.75
9/28/2017 8:15 AM	7.66	9/29/2017 8:15 AM	7.57	9/30/2017 8:15 AM	7.74
9/28/2017 8:30 AM	7.65	9/29/2017 8:30 AM	7.57	9/30/2017 8:30 AM	7.73
9/28/2017 8:45 AM	7.65	9/29/2017 8:45 AM	7.59	9/30/2017 8:45 AM	7.72
9/28/2017 9:00 AM	7.59	9/29/2017 9:00 AM	7.71	9/30/2017 9:00 AM	7.71
9/28/2017 9:15 AM	7.57	9/29/2017 9:15 AM	7.72	9/30/2017 9:15 AM	7.70
9/28/2017 9:30 AM	7.56	9/29/2017 9:30 AM	7.72	9/30/2017 9:30 AM	7.69
9/28/2017 9:45 AM	7.55	9/29/2017 9:45 AM	7.70	9/30/2017 9:45 AM	7.69
9/28/2017 10:00 AM	7.55	9/29/2017 10:00 AM	7.70	9/30/2017 10:00 AM	7.69
9/28/2017 10:15 AM	7.55	9/29/2017 10:15 AM	7.69	9/30/2017 10:15 AM	7.68
9/28/2017 10:30 AM	7.53	9/29/2017 10:30 AM	7.69	9/30/2017 10:30 AM	7.63
9/28/2017 10:45 AM	7.68	9/29/2017 10:45 AM	7.69	9/30/2017 10:45 AM	7.62
9/28/2017 11:00 AM	7.71	9/29/2017 11:00 AM	7.69	9/30/2017 11:00 AM	7.61
9/28/2017 11:15 AM	7.73	9/29/2017 11:15 AM	7.71	9/30/2017 11:15 AM	7.60
9/28/2017 11:30 AM	7.75	9/29/2017 11:30 AM	7.71	9/30/2017 11:30 AM	7.60
9/28/2017 11:45 AM	7.75	9/29/2017 11:45 AM	7.73	9/30/2017 11:45 AM	7.60
9/28/2017 12:00 PM	7.74	9/29/2017 12:00 PM	7.74	9/30/2017 12:00 PM	7.71
9/28/2017 12:15 PM	7.74	9/29/2017 12:15 PM	7.74	9/30/2017 12:15 PM	7.76
9/28/2017 12:30 PM	7.73	9/29/2017 12:30 PM	7.74	9/30/2017 12:30 PM	7.76
9/28/2017 12:45 PM	7.72	9/29/2017 12:45 PM	7.71	9/30/2017 12:45 PM	7.75
9/28/2017 1:00 PM	7.72	9/29/2017 1:00 PM	7.69	9/30/2017 1:00 PM	7.75
9/28/2017 1:15 PM	7.72	9/29/2017 1:15 PM	7.68	9/30/2017 1:15 PM	7.74
9/28/2017 1:30 PM	7.71	9/29/2017 1:30 PM	7.68	9/30/2017 1:30 PM	7.72
9/28/2017 1:45 PM	7.68	9/29/2017 1:45 PM	7.67	9/30/2017 1:45 PM	7.72
9/28/2017 2:00 PM	7.65	9/29/2017 2:00 PM	7.68	9/30/2017 2:00 PM	7.71

9/28/2017 2:15 PM	7.60	9/29/2017 2:15 PM	7.70	9/30/2017 2:15 PM	7.71
9/28/2017 2:30 PM	7.67	9/29/2017 2:30 PM	7.69	9/30/2017 2:30 PM	7.71
9/28/2017 2:45 PM	7.72	9/29/2017 2:45 PM	7.67	9/30/2017 2:45 PM	7.70
9/28/2017 3:00 PM	7.74	9/29/2017 3:00 PM	7.65	9/30/2017 3:00 PM	7.64
9/28/2017 3:15 PM	7.72	9/29/2017 3:15 PM	7.61	9/30/2017 3:15 PM	7.62
9/28/2017 3:30 PM	7.70	9/29/2017 3:30 PM	7.60	9/30/2017 3:30 PM	7.62
9/28/2017 3:45 PM	7.68	9/29/2017 3:45 PM	7.58	9/30/2017 3:45 PM	7.61
9/28/2017 4:00 PM	7.67	9/29/2017 4:00 PM	7.57	9/30/2017 4:00 PM	7.61
9/28/2017 4:15 PM	7.66	9/29/2017 4:15 PM	7.56	9/30/2017 4:15 PM	7.60
9/28/2017 4:30 PM	7.66	9/29/2017 4:30 PM	7.56	9/30/2017 4:30 PM	7.73
9/28/2017 4:45 PM	7.67	9/29/2017 4:45 PM	7.66	9/30/2017 4:45 PM	7.76
9/28/2017 5:00 PM	7.67	9/29/2017 5:00 PM	7.71	9/30/2017 5:00 PM	7.76
9/28/2017 5:15 PM	7.66	9/29/2017 5:15 PM	7.67	9/30/2017 5:15 PM	7.76
9/28/2017 5:30 PM	7.67	9/29/2017 5:30 PM	7.64	9/30/2017 5:30 PM	7.75
9/28/2017 5:45 PM	7.69	9/29/2017 5:45 PM	7.60	9/30/2017 5:45 PM	7.74
9/28/2017 6:00 PM	7.66	9/29/2017 6:00 PM	7.66	9/30/2017 6:00 PM	7.73
9/28/2017 6:15 PM	7.65	9/29/2017 6:15 PM	7.67	9/30/2017 6:15 PM	7.72
9/28/2017 6:30 PM	7.63	9/29/2017 6:30 PM	7.68	9/30/2017 6:30 PM	7.72
9/28/2017 6:45 PM	7.61	9/29/2017 6:45 PM	7.68	9/30/2017 6:45 PM	7.71
9/28/2017 7:00 PM	7.64	9/29/2017 7:00 PM	7.69	9/30/2017 7:00 PM	7.71
9/28/2017 7:15 PM	7.68	9/29/2017 7:15 PM	7.68	9/30/2017 7:15 PM	7.70
9/28/2017 7:30 PM	7.69	9/29/2017 7:30 PM	7.68	9/30/2017 7:30 PM	7.65
9/28/2017 7:45 PM	7.69	9/29/2017 7:45 PM	7.67	9/30/2017 7:45 PM	7.63
9/28/2017 8:00 PM	7.69	9/29/2017 8:00 PM	7.66	9/30/2017 8:00 PM	7.62
9/28/2017 8:15 PM	7.68	9/29/2017 8:15 PM	7.65	9/30/2017 8:15 PM	7.62
9/28/2017 8:30 PM	7.67	9/29/2017 8:30 PM	7.65	9/30/2017 8:30 PM	7.62
9/28/2017 8:45 PM	7.67	9/29/2017 8:45 PM	7.69	9/30/2017 8:45 PM	7.62
9/28/2017 9:00 PM	7.66	9/29/2017 9:00 PM	7.63	9/30/2017 9:00 PM	7.61
9/28/2017 9:15 PM	7.66	9/29/2017 9:15 PM	7.62	9/30/2017 9:15 PM	7.74
9/28/2017 9:30 PM	7.65	9/29/2017 9:30 PM	7.60	9/30/2017 9:30 PM	7.77
9/28/2017 9:45 PM	7.65	9/29/2017 9:45 PM	7.60	9/30/2017 9:45 PM	7.76
9/28/2017 10:00 PM	7.65	9/29/2017 10:00 PM	7.60	9/30/2017 10:00 PM	7.75
9/28/2017 10:15 PM	7.67	9/29/2017 10:15 PM	7.65	9/30/2017 10:15 PM	7.74
9/28/2017 10:30 PM	7.62	9/29/2017 10:30 PM	7.71	9/30/2017 10:30 PM	7.74
9/28/2017 10:45 PM	7.60	9/29/2017 10:45 PM	7.72	9/30/2017 10:45 PM	7.74
9/28/2017 11:00 PM	7.59	9/29/2017 11:00 PM	7.71	9/30/2017 11:00 PM	7.73
9/28/2017 11:15 PM	7.59	9/29/2017 11:15 PM	7.70	9/30/2017 11:15 PM	7.73
9/28/2017 11:30 PM	7.56	9/29/2017 11:30 PM	7.69	9/30/2017 11:30 PM	7.73
9/28/2017 11:45 PM	7.69	9/29/2017 11:45 PM	7.69	9/30/2017 11:45 PM	7.75

AVG

7.66

AVG

7.66

AVG

7.69

MIN	7.07
MAX	7.77

Avtex Fibers
Front Royal, VA
Outfall 004
September 2017 DMR

Sample Date	Sample ID	BOD, mg/L	BOD, kg/d	TSS, mg/L	TSS, kg/d
9/7/2017	AF9-7FE	0.0	0.0	0.0	0.0
9/14/2017	AF9-14FE	0.0	0.0	0.0	0.0
9/21/2017	AF9-21FE	0.0	0.0	0.0	0.0
9/28/2017	AF9-28FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> lbs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d
Concentration Derivation
If 1 lb/d and 1 MGD (= 1 MG/day)
[(1 lbs/day)(453,600 mg/lb) / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]
--> ppm = lb/d ^ (1/8.34) ^ (1/MGD)

BOD

9/7/2017	0
9/14/2017	0
9/21/2017	0
9/28/2017	0

AVG

0

TSS

9/7/2017	0
9/14/2017	0
9/21/2017	0
9/28/2017	0

AVG

0

CS2*

9/21/2017	<QL	ug/L
9/21/2017	<QL	mg/L
9/21/2017	<QL	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L



Transmitted via Email

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
USA

215.299.6000
fmc.com

November 8, 2017

Department of Environmental Quality - CO
Office of Remediation Program
P.O. Box 1105
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – October 2017
Avtex Fibers Superfund Site
Front Royal, Virginia

Dear Ms Payne:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of October 2017. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

Please do not hesitate to call if there are any questions.

Sincerely,

FMC Corporation

Brian M. McGinnis, P.E.
Manager, Environmental Remediation

cc: via Email

Brandon Kiracofe, DEQ

Jeffrey Thomas, USEPA

Heather Philip, Parsons

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

Avtex Fibers
Front Royal, VA
Outfall 004
October 2017 DMR

pH Calculations:

Date And Time	pH
10/1/2017 12:00 AM	7.65
10/1/2017 12:15 AM	7.64
10/1/2017 12:30 AM	
10/1/2017 12:45 AM	
10/1/2017 1:00 AM	7.62
10/1/2017 1:15 AM	7.62
10/1/2017 1:30 AM	7.62
10/1/2017 1:45 AM	7.68
10/1/2017 2:00 AM	7.75
10/1/2017 2:15 AM	7.66
10/1/2017 2:30 AM	7.65
10/1/2017 2:45 AM	7.64
10/1/2017 3:00 AM	7.64
10/1/2017 3:15 AM	7.64
10/1/2017 3:30 AM	7.74
10/1/2017 3:45 AM	7.81
10/1/2017 4:00 AM	7.81
10/1/2017 4:15 AM	7.80
10/1/2017 4:30 AM	7.69
10/1/2017 4:45 AM	7.67
10/1/2017 5:00 AM	7.66
10/1/2017 5:15 AM	7.65
10/1/2017 5:30 AM	7.66
10/1/2017 5:45 AM	7.59
10/1/2017 6:00 AM	7.78
10/1/2017 6:15 AM	7.81
10/1/2017 6:30 AM	7.81
10/1/2017 6:45 AM	7.80
10/1/2017 7:00 AM	7.79
10/1/2017 7:15 AM	7.79
10/1/2017 7:30 AM	7.78
10/1/2017 7:45 AM	7.77
10/1/2017 8:00 AM	7.77
10/1/2017 8:15 AM	7.76
10/1/2017 8:30 AM	7.76
10/1/2017 8:45 AM	7.75
10/1/2017 9:00 AM	7.75
10/1/2017 9:15 AM	7.73
10/1/2017 9:30 AM	7.70
10/1/2017 9:45 AM	7.68
10/1/2017 10:00 AM	7.66
10/1/2017 10:15 AM	7.67
10/1/2017 10:30 AM	7.68
10/1/2017 10:45 AM	7.68
10/1/2017 11:00 AM	7.69
10/1/2017 11:15 AM	7.71
10/1/2017 11:30 AM	7.75
10/1/2017 11:45 AM	7.79
10/1/2017 12:00 PM	7.82
10/1/2017 12:15 PM	7.84
10/1/2017 12:30 PM	7.86
10/1/2017 12:45 PM	7.85
10/1/2017 1:00 PM	7.83
10/1/2017 1:15 PM	7.80
10/1/2017 1:30 PM	7.79
10/1/2017 1:45 PM	7.78
10/1/2017 2:00 PM	7.77
10/1/2017 2:15 PM	7.78
10/1/2017 2:30 PM	7.78
10/1/2017 2:45 PM	7.78
10/1/2017 3:00 PM	7.75
10/1/2017 3:15 PM	7.75
10/1/2017 3:30 PM	7.69
10/1/2017 3:45 PM	7.67
10/1/2017 4:00 PM	7.67
10/1/2017 4:15 PM	7.67
10/1/2017 4:30 PM	7.69
10/1/2017 4:45 PM	7.73
10/1/2017 5:00 PM	7.73
10/1/2017 5:15 PM	7.69
10/1/2017 5:30 PM	7.67
10/1/2017 5:45 PM	7.69
10/1/2017 6:00 PM	7.75
10/1/2017 6:15 PM	7.83
10/1/2017 6:30 PM	7.84
10/1/2017 6:45 PM	7.83
10/1/2017 7:00 PM	7.67
10/1/2017 7:15 PM	7.66
10/1/2017 7:30 PM	7.66
10/1/2017 7:45 PM	7.62
10/1/2017 8:00 PM	7.74
10/1/2017 8:15 PM	7.70
10/1/2017 8:30 PM	7.68

Date And Time	pH
10/2/2017 12:00 AM	7.76
10/2/2017 12:15 AM	7.84
10/2/2017 12:30 AM	7.84
10/2/2017 12:45 AM	7.83
10/2/2017 1:00 AM	7.82
10/2/2017 1:15 AM	7.81
10/2/2017 1:30 AM	7.81
10/2/2017 1:45 AM	7.80
10/2/2017 2:00 AM	7.80
10/2/2017 2:15 AM	7.79
10/2/2017 2:30 AM	7.79
10/2/2017 2:45 AM	7.78
10/2/2017 3:00 AM	7.78
10/2/2017 3:15 AM	7.78
10/2/2017 3:30 AM	7.78
10/2/2017 3:45 AM	7.78
10/2/2017 4:00 AM	7.78
10/2/2017 4:15 AM	7.78
10/2/2017 4:30 AM	7.78
10/2/2017 4:45 AM	7.78
10/2/2017 5:00 AM	7.78
10/2/2017 5:15 AM	7.78
10/2/2017 5:30 AM	7.78
10/2/2017 5:45 AM	7.78
10/2/2017 6:00 AM	7.78
10/2/2017 6:15 AM	7.78
10/2/2017 6:30 AM	7.78
10/2/2017 6:45 AM	7.78
10/2/2017 7:00 AM	7.78
10/2/2017 7:15 AM	7.78
10/2/2017 7:30 AM	7.78
10/2/2017 7:45 AM	7.78
10/2/2017 8:00 AM	7.79
10/2/2017 8:15 PM	7.79
10/2/2017 8:30 PM	7.78

Date And Time	pH
10/3/2017 12:00 AM	7.72
10/3/2017 12:15 AM	7.72
10/3/2017 12:30 AM	7.73
10/3/2017 12:45 AM	7.73
10/3/2017 1:00 AM	7.73
10/3/2017 1:15 AM	7.72
10/3/2017 1:30 AM	7.70
10/3/2017 1:45 AM	7.69
10/3/2017 2:00 AM	7.68
10/3/2017 2:15 AM	7.68
10/3/2017 2:30 AM	7.68
10/3/2017 2:45 AM	7.66
10/3/2017 3:00 AM	7.81
10/3/2017 3:15 AM	7.84
10/3/2017 3:30 AM	7.84
10/3/2017 3:45 AM	7.84
10/3/2017 4:00 AM	7.84
10/3/2017 4:15 AM	7.84
10/3/2017 4:30 AM	7.84
10/3/2017 4:45 AM	7.84
10/3/2017 5:00 AM	7.84
10/3/2017 5:15 AM	7.84
10/3/2017 5:30 AM	7.84
10/3/2017 5:45 AM	7.84
10/3/2017 6:00 AM	7.84
10/3/2017 6:15 AM	7.84
10/3/2017 6:30 AM	7.84
10/3/2017 6:45 AM	7.84
10/3/2017 7:00 PM	7.64
10/3/2017 7:15 PM	7.78
10/3/2017 7:30 PM	7.81
10/3/2017 7:45 PM	7.78
10/3/2017 8:00 PM	7.75
10/3/2017 8:15 PM	7.73
10/3/2017 8:30 PM	7.72

10/1/2017 8:45 PM	7.67
10/1/2017 9:00 PM	7.67
10/1/2017 9:15 PM	7.65
10/1/2017 9:30 PM	7.79
10/1/2017 9:45 PM	7.82
10/1/2017 10:00 PM	7.81
10/1/2017 10:15 PM	7.81
10/1/2017 10:30 PM	7.71
10/1/2017 10:45 PM	7.69
10/1/2017 11:00 PM	7.68
10/1/2017 11:15 PM	7.68
10/1/2017 11:30 PM	7.68
10/1/2017 11:45 PM	7.68

10/2/2017 8:45 PM	7.77
10/2/2017 9:00 PM	7.77
10/2/2017 9:15 PM	7.76
10/2/2017 9:30 PM	7.76
10/2/2017 9:45 PM	7.75
10/2/2017 10:00 PM	7.75
10/2/2017 10:15 PM	7.74
10/2/2017 10:30 PM	7.74
10/2/2017 10:45 PM	7.74
10/2/2017 11:00 PM	7.73
10/2/2017 11:15 PM	7.73
10/2/2017 11:30 PM	7.73
10/2/2017 11:45 PM	7.72

10/3/2017 8:45 PM	7.71
10/3/2017 9:00 PM	7.71
10/3/2017 9:15 PM	7.80
10/3/2017 9:30 PM	7.82
10/3/2017 9:45 PM	7.82
10/3/2017 10:00 PM	7.81
10/3/2017 10:15 PM	7.80
10/3/2017 10:30 PM	7.80
10/3/2017 10:45 PM	7.79
10/3/2017 11:00 PM	7.78
10/3/2017 11:15 PM	7.78
10/3/2017 11:30 PM	7.77
10/3/2017 11:45 PM	7.81

AVG 7.72 AVG 7.76

Note: Communications loss on 10/1/2017 at 12:30AM to 12:45AM data for this time is not included in the average.

AVG 7.75

Date And Time	pH
10/4/2017 12:00 AM	7.73
10/4/2017 12:15 AM	7.71
10/4/2017 12:30 AM	7.71
10/4/2017 12:45 AM	7.70
10/4/2017 1:00 AM	7.70
10/4/2017 1:15 AM	7.70
10/4/2017 1:30 AM	7.70
10/4/2017 1:45 AM	7.73
10/4/2017 2:00 AM	7.84
10/4/2017 2:15 AM	7.74
10/4/2017 2:30 AM	7.72
10/4/2017 2:45 AM	7.71
10/4/2017 3:00 AM	7.71
10/4/2017 3:15 AM	7.74
10/4/2017 3:30 AM	7.86
10/4/2017 3:45 AM	7.88
10/4/2017 4:00 AM	7.87
10/4/2017 4:15 AM	7.86
10/4/2017 4:30 AM	7.77
10/4/2017 4:45 AM	7.74
10/4/2017 5:00 AM	7.73
10/4/2017 5:15 AM	7.73
10/4/2017 5:30 AM	7.73
10/4/2017 5:45 AM	7.73
10/4/2017 6:00 AM	7.79
10/4/2017 6:15 AM	7.87
10/4/2017 6:30 AM	7.88
10/4/2017 6:45 AM	7.87
10/4/2017 7:00 AM	7.86
10/4/2017 7:15 AM	7.85
10/4/2017 7:30 AM	7.85
10/4/2017 7:45 AM	7.84
10/4/2017 8:00 AM	7.84
10/4/2017 8:15 AM	7.83
10/4/2017 8:30 AM	7.83
10/4/2017 8:45 AM	7.83
10/4/2017 9:00 AM	7.76
10/4/2017 9:15 AM	7.74
10/4/2017 9:30 AM	7.73
10/4/2017 9:45 AM	7.64
10/4/2017 10:00 AM	7.78
10/4/2017 10:15 AM	7.83
10/4/2017 10:30 AM	7.84
10/4/2017 10:45 AM	7.85
10/4/2017 11:00 AM	7.86
10/4/2017 11:15 AM	7.87
10/4/2017 11:30 AM	7.87
10/4/2017 11:45 AM	7.88
10/4/2017 12:00 PM	7.87
10/4/2017 12:15 PM	7.86
10/4/2017 12:30 PM	7.86
10/4/2017 12:45 PM	7.85
10/4/2017 1:00 PM	7.84
10/4/2017 1:15 PM	7.83
10/4/2017 1:30 PM	7.91
10/4/2017 1:45 PM	7.88
10/4/2017 2:00 PM	7.83
10/4/2017 2:15 PM	7.80
10/4/2017 2:30 PM	7.72
10/4/2017 2:45 PM	7.80
10/4/2017 3:00 PM	7.84
10/4/2017 3:15 PM	7.86
10/4/2017 3:30 PM	7.86
10/4/2017 3:45 PM	7.85
10/4/2017 4:00 PM	7.84
10/4/2017 4:15 PM	7.83
10/4/2017 4:30 PM	7.82
10/4/2017 4:45 PM	7.81
10/4/2017 5:00 PM	7.80
10/4/2017 5:15 PM	7.80
10/4/2017 5:30 PM	7.80
10/4/2017 5:45 PM	7.85
10/4/2017 6:00 PM	7.81
10/4/2017 6:15 PM	7.80
10/4/2017 6:30 PM	7.78
10/4/2017 6:45 PM	7.76
10/4/2017 7:00 PM	7.75
10/4/2017 7:15 PM	7.75
10/4/2017 7:30 PM	7.75

Date And Time	pH
10/5/2017 12:00 AM	7.76
10/5/2017 12:15 AM	7.84
10/5/2017 12:30 AM	7.86
10/5/2017 12:45 AM	7.85
10/5/2017 1:00 AM	7.84
10/5/2017 1:15 AM	7.83
10/5/2017 1:30 AM	7.82
10/5/2017 1:45 AM	7.81
10/5/2017 2:00 AM	7.81
10/5/2017 2:15 AM	7.80
10/5/2017 2:30 AM	7.80
10/5/2017 2:45 AM	7.79
10/5/2017 3:00 AM	7.74
10/5/2017 3:15 AM	7.73
10/5/2017 3:30 AM	7.70
10/5/2017 3:45 AM	7.83
10/5/2017 4:00 AM	7.85
10/5/2017 4:15 AM	7.85
10/5/2017 4:30 AM	7.84
10/5/2017 4:45 AM	7.83
10/5/2017 5:00 AM	7.83
10/5/2017 5:15 AM	7.82
10/5/2017 5:30 AM	7.80
10/5/2017 5:45 AM	7.84
10/5/2017 6:00 AM	7.84
10/5/2017 6:15 AM	7.83
10/5/2017 6:30 AM	7.83
10/5/2017 6:45 AM	7.83
10/5/2017 7:00 AM	7.83
10/5/2017 7:15 PM	7.83
10/5/2017 7:30 PM	7.82

Date And Time	pH
10/6/2017 12:00 AM	7.81
10/6/2017 12:15 AM	7.80
10/6/2017 12:30 AM	7.79
10/6/2017 12:45 AM	7.79
10/6/2017 1:00 AM	7.78
10/6/2017 1:15 AM	7.78
10/6/2017 1:30 AM	7.75
10/6/2017 1:45 AM	7.73
10/6/2017 2:00 AM	7.72
10/6/2017 2:15 AM	7.72
10/6/2017 2:30 AM	7.71
10/6/2017 2:45 AM	7.70
10/6/2017 3:00 AM	7.81
10/6/2017 3:15 AM	7.84
10/6/2017 3:30 AM	7.84
10/6/2017 3:45 AM	7.83
10/6/2017 4:00 AM	7.83
10/6/2017 4:15 AM	7.82
10/6/2017 4:30 AM	7.81
10/6/2017 4:45 AM	7.80
10/6/2017 5:00 AM	7.74
10/6/2017 5:15 AM	7.72
10/6/2017 5:30 AM	7.71
10/6/2017 5:45 AM	7.71
10/6/2017 6:00 AM	7.70
10/6/2017 6:15 AM	7.70
10/6/2017 6:30 AM	7.70
10/6/2017 6:45 AM	7.78
10/6/2017 7:00 AM	7.84
10/6/2017 7:15 AM	7.84
10/6/2017 7:30 AM	7.82
10/6/2017 7:45 AM	7.84
10/6/2017 8:00 AM	7.84
10/6/2017 8:15 AM	7.83
10/6/2017 8:30 AM	7.82
10/6/2017 8:45 AM	7.81
10/6/2017 9:00 AM	7.80
10/6/2017 9:15 AM	7.79
10/6/2017 9:30 AM	7.79
10/6/2017 9:45 AM	7.80
10/6/2017 10:00 AM	7.82
10/6/2017 10:15 AM	7.83
10/6/2017 10:30 AM	7.75
10/6/2017 10:45 AM	7.72
10/6/2017 11:00 AM	7.71
10/6/2017 11:15 AM	7.70
10/6/2017 11:30 AM	7.74
10/6/2017 11:45 AM	7.82
10/6/2017 12:00 PM	7.84
10/6/2017 12:15 PM	7.86
10/6/2017 12:30 PM	7.85
10/6/2017 12:45 PM	7.84
10/6/2017 1:00 PM	7.83
10/6/2017 1:15 PM	7.82
10/6/2017 1:30 PM	7.81
10/6/2017 1:45 PM	7.81
10/6/2017 2:00 PM	7.80
10/6/2017 2:15 PM	7.79
10/6/2017 2:30 PM	7.79
10/6/2017 2:45 PM	7.78
10/6/2017 3:00 PM	7.89
10/6/2017 3:15 PM	7.86
10/6/2017 3:30 PM	7.82
10/6/2017 3:45 PM	7.79
10/6/2017 4:00 PM	7.77
10/6/2017 4:15 PM	7.76
10/6/2017 4:30 PM	7.75
10/6/2017 4:45 PM	7.69
10/6/2017 5:00 PM	7.77
10/6/2017 5:15 PM	7.78
10/6/2017 5:30 PM	7.76
10/6/2017 5:45 PM	7.74
10/6/2017 6:00 PM	7.69
10/6/2017 6:15 PM	7.80
10/6/2017 6:30 PM	7.82
10/6/2017 6:45 PM	7.83
10/6/2017 7:00 PM	7.83
10/6/2017 7:15 PM	7.83
10/6/2017 7:30 PM	7.77

10/4/2017 7:45 PM	7.83
10/4/2017 8:00 PM	7.84
10/4/2017 8:15 PM	7.84
10/4/2017 8:30 PM	7.83
10/4/2017 8:45 PM	7.83
10/4/2017 9:00 PM	7.82
10/4/2017 9:15 PM	7.81
10/4/2017 9:30 PM	7.81
10/4/2017 9:45 PM	7.80
10/4/2017 10:00 PM	7.80
10/4/2017 10:15 PM	7.83
10/4/2017 10:30 PM	7.76
10/4/2017 10:45 PM	7.74
10/4/2017 11:00 PM	7.73
10/4/2017 11:15 PM	7.73
10/4/2017 11:30 PM	7.73
10/4/2017 11:45 PM	7.72

AVG

7.80

AVG

7.80

AVG

7.79

10/5/2017 7:45 PM	7.81
10/5/2017 8:00 PM	7.80
10/5/2017 8:15 PM	7.80
10/5/2017 8:30 PM	7.80
10/5/2017 8:45 PM	7.82
10/5/2017 9:00 PM	7.77
10/5/2017 9:15 PM	7.76
10/5/2017 9:30 PM	7.75
10/5/2017 9:45 PM	7.74
10/5/2017 10:00 PM	7.73
10/5/2017 10:15 PM	7.78
10/5/2017 10:30 PM	7.83
10/5/2017 10:45 PM	7.83
10/5/2017 11:00 PM	7.83
10/5/2017 11:15 PM	7.82
10/5/2017 11:30 PM	7.82
10/5/2017 11:45 PM	7.81

AVG

7.79

AVG

7.79

AVG

7.79

Date And Time	pH
10/7/2017 12:00 AM	7.78
10/7/2017 12:15 AM	7.77
10/7/2017 12:30 AM	7.77
10/7/2017 12:45 AM	7.76
10/7/2017 1:00 AM	7.76
10/7/2017 1:15 AM	7.76
10/7/2017 1:30 AM	7.75
10/7/2017 1:45 AM	7.75
10/7/2017 2:00 AM	7.74
10/7/2017 2:15 AM	7.74
10/7/2017 2:30 AM	7.74
10/7/2017 2:45 AM	7.74
10/7/2017 3:00 AM	7.73
10/7/2017 3:15 AM	7.73
10/7/2017 3:30 AM	7.73
10/7/2017 3:45 AM	7.73
10/7/2017 4:00 AM	7.72
10/7/2017 4:15 AM	7.79
10/7/2017 4:30 AM	7.73
10/7/2017 4:45 AM	7.71
10/7/2017 5:00 AM	7.69
10/7/2017 5:15 AM	7.69
10/7/2017 5:30 AM	7.63
10/7/2017 5:45 AM	7.76
10/7/2017 6:00 AM	7.80
10/7/2017 6:15 AM	7.81
10/7/2017 6:30 AM	7.80
10/7/2017 6:45 AM	7.79
10/7/2017 7:00 AM	7.78
10/7/2017 7:15 AM	7.78
10/7/2017 7:30 AM	7.77
10/7/2017 7:45 AM	7.77
10/7/2017 8:00 AM	7.76
10/7/2017 8:15 AM	7.75
10/7/2017 8:30 AM	7.75
10/7/2017 8:45 AM	7.74
10/7/2017 9:00 AM	7.74
10/7/2017 9:15 AM	7.74
10/7/2017 9:30 AM	7.74
10/7/2017 9:45 AM	7.76
10/7/2017 10:00 AM	7.78
10/7/2017 10:15 AM	7.79
10/7/2017 10:30 AM	7.75
10/7/2017 10:45 AM	7.69
10/7/2017 11:00 AM	7.67
10/7/2017 11:15 AM	7.66
10/7/2017 11:30 AM	7.66
10/7/2017 11:45 AM	7.67
10/7/2017 12:00 PM	7.79
10/7/2017 12:15 PM	7.82
10/7/2017 12:30 PM	7.82
10/7/2017 12:45 PM	7.81
10/7/2017 1:00 PM	7.80
10/7/2017 1:15 PM	7.79
10/7/2017 1:30 PM	7.85
10/7/2017 1:45 PM	7.81
10/7/2017 2:00 PM	7.77
10/7/2017 2:15 PM	7.68
10/7/2017 2:30 PM	7.74
10/7/2017 2:45 PM	7.79
10/7/2017 3:00 PM	7.82
10/7/2017 3:15 PM	7.82
10/7/2017 3:30 PM	7.80
10/7/2017 3:45 PM	7.79
10/7/2017 4:00 PM	7.77
10/7/2017 4:15 PM	7.76
10/7/2017 4:30 PM	7.75
10/7/2017 4:45 PM	7.75
10/7/2017 5:00 PM	7.74
10/7/2017 5:15 PM	7.73
10/7/2017 5:30 PM	7.74
10/7/2017 5:45 PM	7.74
10/7/2017 6:00 PM	7.72
10/7/2017 6:15 PM	7.71
10/7/2017 6:30 PM	7.70
10/7/2017 6:45 PM	7.69
10/7/2017 7:00 PM	7.69
10/7/2017 7:15 PM	7.68
10/7/2017 7:30 PM	7.68
10/7/2017 7:45 PM	7.68
10/7/2017 8:00 PM	7.68
10/7/2017 8:15 PM	7.68
10/7/2017 8:30 PM	7.67
10/7/2017 8:45 PM	7.67
10/7/2017 9:00 PM	7.67
10/7/2017 9:15 PM	7.67
10/7/2017 9:30 PM	7.67
10/7/2017 9:45 PM	7.67
10/7/2017 10:00 PM	7.68
10/7/2017 10:15 PM	7.75

Date And Time	pH
10/8/2017 12:00 AM	7.71
10/8/2017 12:15 AM	7.75
10/8/2017 12:30 AM	7.76
10/8/2017 12:45 AM	7.76
10/8/2017 1:00 AM	7.76
10/8/2017 1:15 AM	7.76
10/8/2017 1:30 AM	7.75
10/8/2017 1:45 AM	7.75
10/8/2017 2:00 AM	7.75
10/8/2017 2:15 AM	7.75
10/8/2017 2:30 AM	7.75
10/8/2017 2:45 AM	7.78
10/8/2017 3:00 AM	7.70
10/8/2017 3:15 AM	7.69
10/8/2017 3:30 AM	7.68
10/8/2017 3:45 AM	7.67
10/8/2017 4:00 AM	7.67
10/8/2017 4:15 AM	7.66
10/8/2017 4:30 AM	7.64
10/8/2017 4:45 AM	7.64
10/8/2017 5:00 AM	7.66
10/8/2017 5:15 AM	7.66
10/8/2017 5:30 AM	7.66
10/8/2017 5:45 AM	7.66
10/8/2017 6:00 AM	7.66
10/8/2017 6:15 AM	7.66
10/8/2017 6:30 AM	7.66
10/8/2017 6:45 AM	7.66
10/8/2017 7:00 AM	7.66
10/8/2017 7:15 AM	7.66
10/8/2017 7:30 AM	7.65
10/8/2017 7:45 AM	7.64
10/8/2017 8:00 AM	7.64
10/8/2017 8:15 AM	7.64
10/8/2017 8:30 AM	7.63
10/8/2017 8:45 AM	7.63
10/8/2017 9:00 AM	7.63
10/8/2017 9:15 AM	7.63
10/8/2017 9:30 AM	7.63
10/8/2017 9:45 AM	7.63
10/8/2017 10:00 AM	7.63
10/8/2017 10:15 AM	7.63
10/8/2017 10:30 AM	7.63
10/8/2017 10:45 AM	7.63
10/8/2017 11:00 AM	7.63
10/8/2017 11:15 AM	7.63
10/8/2017 11:30 AM	7.63
10/8/2017 11:45 AM	7.60
10/8/2017 12:00 PM	7.77
10/8/2017 12:15 PM	7.77
10/8/2017 12:30 PM	7.76
10/8/2017 12:45 PM	7.76
10/8/2017 1:00 PM	7.75
10/8/2017 1:15 PM	7.74
10/8/2017 1:30 PM	7.73
10/8/2017 1:45 PM	7.73
10/8/2017 2:00 PM	7.73
10/8/2017 2:15 PM	7.73
10/8/2017 2:30 PM	7.74
10/8/2017 2:45 PM	7.72
10/8/2017 3:00 PM	7.74
10/8/2017 3:15 PM	7.74
10/8/2017 3:30 PM	7.73
10/8/2017 3:45 PM	7.73
10/8/2017 4:00 PM	7.72
10/8/2017 4:15 PM	7.72
10/8/2017 4:30 PM	7.65
10/8/2017 4:45 PM	7.67
10/8/2017 5:00 PM	7.70
10/8/2017 5:15 PM	7.68
10/8/2017 5:30 PM	7.67
10/8/2017 5:45 PM	7.69
10/8/2017 6:00 PM	7.75
10/8/2017 6:15 PM	7.77
10/8/2017 6:30 PM	7.77
10/8/2017 6:45 PM	7.76
10/8/2017 7:00 PM	7.75
10/8/2017 7:15 PM	7.75
10/8/2017 7:30 PM	7.75
10/8/2017 7:45 PM	7.74
10/8/2017 8:00 PM	7.74
10/8/2017 8:15 PM	7.74
10/8/2017 8:30 PM	7.73
10/8/2017 8:45 PM	7.61
10/8/2017 9:00 PM	7.72
10/8/2017 9:15 PM	7.75
10/8/2017 9:30 PM	7.76
10/8/2017 9:45 PM	7.75
10/8/2017 10:00 PM	7.75
10/8/2017 10:15 PM	7.75

Date And Time	pH
10/9/2017 12:00 AM	7.73
10/9/2017 12:15 AM	7.73
10/9/2017 12:30 AM	7.72
10/9/2017 12:45 AM	7.72
10/9/2017 1:00 AM	7.71
10/9/2017 1:15 AM	7.71
10/9/2017 1:30 AM	7.67
10/9/2017 1:45 AM	7.66
10/9/2017 2:00 AM	7.64
10/9/2017 2:15 AM	7.64
10/9/2017 2:30 AM	7.66
10/9/2017 2:45 AM	7.74
10/9/2017 3:00 AM	7.75
10/9/2017 3:15 AM	7.75
10/9/2017 3:30 AM	7.74
10/9/2017 3:45 AM	7.74
10/9/2017 4:00 AM	7.73
10/9/2017 4:15 AM	7.73
10/9/2017 4:30 AM	7.72
10/9/2017 4:45 AM	7.72
10/9/2017 5:00 AM	7.70
10/9/2017 5:15 AM	7.68
10/9/2017 5:30 AM	7.68
10/9/2017 5:45 AM	7.64
10/9/2017 6:00 PM	7.78
10/9/2017 6:15 PM	7.78
10/9/2017 6:30 PM	7.78
10/9/2017 6:45 PM	7.77
10/9/2017 7:00 PM	7.76
10/9/2017 7:15 PM	7.74
10/9/2017 7:30 PM	7.72
10/9/2017 7:45 PM	7.72
10/9/2017 8:00 PM	7.70
10/9/2017 8:15 PM	7.68
10/9/2017 8:30 PM	7.68
10/9/2017 8:45 PM	7.61
10/9/2017 9:00 PM	7.72
10/9/2017 9:15 PM	7.75
10/9/2017 9:30 PM	7.76
10/9/2017 9:45 PM	7.75
10/9/2017 10:00 PM	7.75
10/9/2017 10:15 PM	7.75

10/7/2017 10:30 PM	7.78
10/7/2017 10:45 PM	7.75
10/7/2017 11:00 PM	7.72
10/7/2017 11:15 PM	7.69
10/7/2017 11:30 PM	7.68
10/7/2017 11:45 PM	7.67

AVG

7.74

AVG

7.74

AVG

7.71

10/8/2017 10:30 PM	7.76
10/8/2017 10:45 PM	7.76
10/8/2017 11:00 PM	7.75
10/8/2017 11:15 PM	7.74
10/8/2017 11:30 PM	7.73
10/8/2017 11:45 PM	7.73

AVG

7.74

10/9/2017 10:30 PM	7.74
10/9/2017 10:45 PM	7.73
10/9/2017 11:00 PM	7.73
10/9/2017 11:15 PM	7.72
10/9/2017 11:30 PM	7.72
10/9/2017 11:45 PM	7.72

AVG

7.71

10/10/2017 10:30 PM	7.66
10/10/2017 10:45 PM	7.65
10/10/2017 11:00 PM	7.64
10/10/2017 11:15 PM	7.63
10/10/2017 11:30 PM	7.62
10/10/2017 11:45 PM	7.63

AVG

7.70

AVG

7.67

AVG

7.66

10/11/2017 10:30 PM	7.66
10/11/2017 10:45 PM	7.66
10/11/2017 11:00 PM	7.66
10/11/2017 11:15 PM	7.65
10/11/2017 11:30 PM	7.65
10/11/2017 11:45 PM	7.65

10/12/2017 10:30 PM 7.69

10/12/2017 10:45 PM 7.69

10/12/2017 11:00 PM 7.68

10/12/2017 11:15 PM 7.68

10/12/2017 11:30 PM 7.67

10/12/2017 11:45 PM 7.67

Date And Time	pH
10/13/2017 12:00 AM	7.62
10/13/2017 12:15 AM	7.61
10/13/2017 12:30 AM	7.60
10/13/2017 12:45 AM	7.59
10/13/2017 1:00 AM	7.59
10/13/2017 1:15 AM	7.59
10/13/2017 1:30 AM	7.62
10/13/2017 1:45 AM	7.72
10/13/2017 2:00 AM	7.73
10/13/2017 2:15 AM	7.72
10/13/2017 2:30 AM	7.71
10/13/2017 2:45 AM	7.70
10/13/2017 3:00 AM	7.69
10/13/2017 3:15 AM	7.69
10/13/2017 3:30 AM	7.68
10/13/2017 3:45 AM	7.68
10/13/2017 4:00 AM	7.67
10/13/2017 4:15 AM	7.67
10/13/2017 4:30 AM	7.66
10/13/2017 4:45 AM	7.66
10/13/2017 5:00 AM	7.66
10/13/2017 5:15 AM	7.65
10/13/2017 5:30 AM	7.65
10/13/2017 5:45 AM	7.65
10/13/2017 6:00 AM	7.65
10/13/2017 6:15 AM	7.65
10/13/2017 6:30 AM	7.64
10/13/2017 6:45 AM	7.64
10/13/2017 7:00 AM	7.64
10/13/2017 7:15 AM	7.64
10/13/2017 7:30 AM	7.64
10/13/2017 7:45 AM	7.64
10/13/2017 8:00 AM	7.64
10/13/2017 8:15 AM	7.64
10/13/2017 8:30 AM	7.64
10/13/2017 8:45 AM	7.62
10/13/2017 9:00 AM	7.60
10/13/2017 9:15 AM	7.59
10/13/2017 9:30 AM	7.60
10/13/2017 9:45 AM	7.71
10/13/2017 10:00 AM	7.73
10/13/2017 10:15 AM	7.72
10/13/2017 10:30 AM	7.71
10/13/2017 10:45 AM	7.70
10/13/2017 11:00 AM	7.69
10/13/2017 11:15 AM	7.68
10/13/2017 11:30 AM	7.68
10/13/2017 11:45 AM	7.67
10/13/2017 12:00 PM	7.67
10/13/2017 12:15 PM	7.66
10/13/2017 12:30 PM	7.66
10/13/2017 12:45 PM	7.66
10/13/2017 1:00 PM	7.66
10/13/2017 1:15 PM	7.65
10/13/2017 1:30 PM	7.62
10/13/2017 1:45 PM	7.60
10/13/2017 2:00 PM	7.59
10/13/2017 2:15 PM	7.58
10/13/2017 2:30 PM	7.58
10/13/2017 2:45 PM	7.60
10/13/2017 3:00 PM	7.71
10/13/2017 3:15 PM	7.72
10/13/2017 3:30 PM	7.72
10/13/2017 3:45 PM	7.71
10/13/2017 4:00 PM	7.71
10/13/2017 4:15 PM	7.70
10/13/2017 4:30 PM	7.69
10/13/2017 4:45 PM	7.69
10/13/2017 5:00 PM	7.68
10/13/2017 5:15 PM	7.68
10/13/2017 5:30 PM	7.67
10/13/2017 5:45 PM	7.67
10/13/2017 6:00 PM	7.62
10/13/2017 6:15 PM	7.61
10/13/2017 6:30 PM	7.60
10/13/2017 6:45 PM	7.59
10/13/2017 7:00 PM	7.59
10/13/2017 7:15 PM	7.59
10/13/2017 7:30 PM	7.59
10/13/2017 7:45 PM	7.65
10/13/2017 8:00 PM	7.72
10/13/2017 8:15 PM	7.73
10/13/2017 8:30 PM	7.73
10/13/2017 8:45 PM	7.72
10/13/2017 9:00 PM	7.67
10/13/2017 9:15 PM	7.70
10/13/2017 9:30 PM	7.69
10/13/2017 9:45 PM	7.69
10/13/2017 10:00 PM	7.68
10/13/2017 10:15 PM	7.68

Date And Time	pH
10/14/2017 12:00 AM	7.71
10/14/2017 12:15 AM	7.74
10/14/2017 12:30 AM	7.74
10/14/2017 12:45 AM	7.73
10/14/2017 1:00 AM	7.72
10/14/2017 1:15 AM	7.71
10/14/2017 1:30 AM	7.71
10/14/2017 1:45 AM	7.70
10/14/2017 2:00 AM	7.69
10/14/2017 2:15 AM	7.69
10/14/2017 2:30 AM	7.69
10/14/2017 2:45 AM	7.68
10/14/2017 3:00 AM	7.64
10/14/2017 3:15 AM	7.62
10/14/2017 3:30 AM	7.61
10/14/2017 3:45 AM	7.61
10/14/2017 4:00 AM	7.73
10/14/2017 4:15 AM	7.74
10/14/2017 4:30 AM	7.74
10/14/2017 4:45 AM	7.74
10/14/2017 5:00 AM	7.73
10/14/2017 5:15 AM	7.73
10/14/2017 5:30 AM	7.72
10/14/2017 5:45 AM	7.64
10/14/2017 6:00 AM	7.64
10/14/2017 6:15 AM	7.64
10/14/2017 6:30 AM	7.64
10/14/2017 6:45 AM	7.65
10/14/2017 7:00 AM	7.64
10/14/2017 7:15 AM	7.64
10/14/2017 7:30 AM	7.64
10/14/2017 7:45 AM	7.72
10/14/2017 8:00 AM	7.72
10/14/2017 8:15 AM	7.71
10/14/2017 8:30 PM	7.71
10/14/2017 8:45 PM	7.71
10/14/2017 9:00 PM	7.67
10/14/2017 9:15 PM	7.65
10/14/2017 9:30 PM	7.65
10/14/2017 9:45 PM	7.59
10/14/2017 10:00 PM	7.72
10/14/2017 10:15 PM	7.76

Date And Time	pH
10/15/2017 12:00 AM	7.72
10/15/2017 12:15 AM	7.71
10/15/2017 12:30 AM	7.71
10/15/2017 12:45 AM	7.71
10/15/2017 1:00 AM	7.70
10/15/2017 1:15 AM	7.70
10/15/2017 1:30 AM	7.67
10/15/2017 1:45 AM	7.65
10/15/2017 2:00 AM	7.64
10/15/2017 2:15 AM	7.64
10/15/2017 2:30 AM	7.64
10/15/2017 2:45 AM	7.64
10/15/2017 3:00 AM	7.70
10/15/2017 3:15 AM	7.77
10/15/2017 3:30 AM	7.78
10/15/2017 3:45 AM	7.77
10/15/2017 4:00 AM	7.76
10/15/2017 4:15 AM	7.75
10/15/2017 4:30 AM	7.74
10/15/2017 4:45 AM	7.73
10/15/2017 5:00 AM	7.73
10/15/2017 5:15 AM	7.72
10/15/2017 5:30 AM	7.72
10/15/2017 5:45 AM	7.72
10/15/2017 6:00 AM	7.67
10/15/2017 6:15 AM	7.65
10/15/2017 6:30 AM	7.64
10/15/2017 6:45 AM	7.65
10/15/2017 7:00 AM	7.64
10/15/2017 7:15 AM	7.64
10/15/2017 7:30 AM	7.58
10/15/2017 7:45 AM	7.74
10/15/2017 8:00 AM	7.74
10/15/2017 8:15 AM	7.71
10/15/2017 8:30 AM	7.66
10/15/2017 8:45 AM	7.59
10/15/2017 9:00 AM	7.75
10/15/2017 9:15 AM	7.78
10/15/2017 9:30 AM	7.78
10/15/2017 9:45 AM	7.77
10/15/2017 10:00 AM	7.76
10/15/2017 10:15 AM	7.76
10/15/2017 10:30 AM	7.77
10/15/2017 10:45 AM	7.77
10/15/2017 11:00 AM	7.77
10/15/2017 11:15 AM	7.77
10/15/2017 11:30 AM	7.77
10/15/2017 11:45 AM	7.78
10/15/2017 12:00 PM	7.77
10/15/2017 12:15 PM	7.76
10/15/2017 12:30 PM	7.76
10/15/2017 12:45 PM	7.76
10/15/2017 1:00 PM	7.75
10/15/2017 1:15 PM	7.74
10/15/2017 1:30 PM	7.74
10/15/2017 1:45 PM	7.73
10/15/2017 2:00 PM	7.73
10/15/2017 2:15 PM	7.72
10/15/2017 2:30 PM	7.72
10/15/2017 2:45 PM	7.71
10/15/2017 3:00 PM	7.68
10/15/2017 3:15 PM	7.66
10/15/2017 3:30 PM	7.64
10/15/2017 3:45 PM	7.64
10/15/2017 4:00 PM	7.62
10/15/2017 4:15 PM	7.61
10/15/2017 4:30 PM	7.60
10/15/2017 4:45 PM	7.60
10/15/2017 5:00 PM	7.59
10/15/2017 5:15 PM	7.59
10/15/2017 5:30 PM	7.59
10/15/2017 5:45 PM	7.59
10/15/2017 6:00 PM	7.59
10/15/2017 6:15 PM	7.59
10/15/2017 6:30 PM	7.58
10/15/2017 6:45 PM	7.58
10/15/2017 7:00 PM	7.58
10/15/2017 7:15 PM	7.59
10/15/2017 7:30 PM	7.58
10/15/2017 7:45 PM	7.82
10/15/2017 8:00 PM	7.77
10/15/2017 8:15 PM	7.73
10/15/2017 8:30 PM	7.65
10/15/2017 8:45 PM	7.71
10/15/2017 9:00 PM	7.73
10/15/2017 9:15 PM	7.73
10/15/2017 9:30 PM	7.74
10/15/2017 9:45 PM	7.74
10/15/2017 10:00 PM	7.74
10/15/2017 10:15 PM	7.74

10/13/2017 10:30 PM	7.63
10/13/2017 10:45 PM	7.61
10/13/2017 11:00 PM	7.61
10/13/2017 11:15 PM	7.60
10/13/2017 11:30 PM	7.60
10/13/2017 11:45 PM	7.57

AVG

7.66

AVG

7.69

AVG

7.70

10/14/2017 10:30 PM	7.76
10/14/2017 10:45 PM	7.75
10/14/2017 11:00 PM	7.74
10/14/2017 11:15 PM	7.74
10/14/2017 11:30 PM	7.73
10/14/2017 11:45 PM	7.72

AVG

7.74

AVG

7.74

AVG

7.74

AVG

7.73

AVG

7.72

AVG

7.72

Date And Time	pH
10/16/2017 12:00 AM	7.71
10/16/2017 12:15 AM	7.70
10/16/2017 12:30 AM	7.68
10/16/2017 12:45 AM	7.67
10/16/2017 1:00 AM	7.67
10/16/2017 1:15 AM	7.66
10/16/2017 1:30 AM	7.66
10/16/2017 1:45 AM	7.65
10/16/2017 2:00 AM	7.75
10/16/2017 2:15 AM	7.70
10/16/2017 2:30 AM	7.68
10/16/2017 2:45 AM	7.68
10/16/2017 3:00 AM	7.67
10/16/2017 3:15 AM	7.68
10/16/2017 3:30 AM	7.79
10/16/2017 3:45 AM	7.81
10/16/2017 4:00 AM	7.81
10/16/2017 4:15 AM	7.80
10/16/2017 4:30 AM	7.72
10/16/2017 4:45 AM	7.70
10/16/2017 5:00 AM	7.69
10/16/2017 5:15 AM	7.69
10/16/2017 5:30 AM	7.72
10/16/2017 5:45 AM	7.81
10/16/2017 6:00 AM	7.82
10/16/2017 6:15 AM	7.81
10/16/2017 6:30 AM	7.80
10/16/2017 6:45 AM	7.80
10/16/2017 7:00 AM	7.79
10/16/2017 7:15 AM	7.78
10/16/2017 7:30 AM	7.77
10/16/2017 7:45 AM	7.77
10/16/2017 8:00 AM	7.76
10/16/2017 8:15 AM	7.76
10/16/2017 8:30 AM	7.75
10/16/2017 8:45 AM	7.75
10/16/2017 9:00 AM	7.75
10/16/2017 9:15 AM	7.75
10/16/2017 9:30 AM	7.74
10/16/2017 9:45 AM	7.74
10/16/2017 10:00 AM	7.74
10/16/2017 10:15 AM	7.74
10/16/2017 10:30 AM	7.74
10/16/2017 10:45 AM	7.74
10/16/2017 11:00 AM	7.73
10/16/2017 11:15 AM	7.73
10/16/2017 11:30 AM	7.73
10/16/2017 11:45 AM	7.73
10/16/2017 12:00 PM	7.73
10/16/2017 12:15 PM	7.73
10/16/2017 12:30 PM	7.73
10/16/2017 12:45 PM	7.74
10/16/2017 1:00 PM	7.74
10/16/2017 1:15 PM	7.73
10/16/2017 1:30 PM	7.71
10/16/2017 1:45 PM	7.69
10/16/2017 2:00 PM	7.68
10/16/2017 2:15 PM	7.68
10/16/2017 2:30 PM	7.74
10/16/2017 2:45 PM	7.81
10/16/2017 3:00 PM	7.81
10/16/2017 3:15 PM	7.80
10/16/2017 3:30 PM	7.79
10/16/2017 3:45 PM	7.78
10/16/2017 4:00 PM	7.78
10/16/2017 4:15 PM	7.77
10/16/2017 4:30 PM	7.77
10/16/2017 4:45 PM	7.77
10/16/2017 5:00 PM	7.77
10/16/2017 5:15 PM	7.76
10/16/2017 5:30 PM	7.76
10/16/2017 5:45 PM	7.76
10/16/2017 6:00 PM	7.72
10/16/2017 6:15 PM	7.70
10/16/2017 6:30 PM	7.69
10/16/2017 6:45 PM	7.68
10/16/2017 7:00 PM	7.68
10/16/2017 7:15 PM	7.68
10/16/2017 7:30 PM	7.68
10/16/2017 7:45 PM	7.69
10/16/2017 8:00 PM	7.80
10/16/2017 8:15 PM	7.73
10/16/2017 8:30 PM	7.71
10/16/2017 8:45 PM	7.70
10/16/2017 9:00 PM	7.64
10/16/2017 9:15 PM	7.80
10/16/2017 9:30 PM	7.84
10/16/2017 9:45 PM	7.84
10/16/2017 10:00 PM	7.83
10/16/2017 10:15 PM	7.81

Date And Time	pH
10/17/2017 12:00 AM	7.82
10/17/2017 12:15 AM	7.86
10/17/2017 12:30 AM	7.85
10/17/2017 12:45 AM	7.85
10/17/2017 1:00 AM	7.84
10/17/2017 1:15 AM	7.83
10/17/2017 1:30 AM	7.82
10/17/2017 1:45 AM	7.82
10/17/2017 2:00 AM	7.81
10/17/2017 2:15 AM	7.81
10/17/2017 2:30 AM	7.80
10/17/2017 2:45 AM	7.80
10/17/2017 3:00 AM	7.80
10/17/2017 3:15 AM	7.79
10/17/2017 3:30 AM	7.79
10/17/2017 3:45 AM	7.78
10/17/2017 4:00 AM	7.78
10/17/2017 4:15 AM	7.78
10/17/2017 4:30 AM	7.80
10/17/2017 4:45 AM	7.80
10/17/2017 5:00 AM	7.80
10/17/2017 5:15 AM	7.80
10/17/2017 5:30 AM	7.80
10/17/2017 5:45 AM	7.80
10/17/2017 6:00 AM	7.76
10/17/2017 6:15 AM	7.75
10/17/2017 6:30 PM	7.76
10/17/2017 6:45 PM	7.76
10/17/2017 7:00 PM	7.76
10/17/2017 7:15 PM	7.76
10/17/2017 7:30 PM	7.75
10/17/2017 7:45 PM	7.75
10/17/2017 8:00 PM	7.75
10/17/2017 8:15 PM	7.75
10/17/2017 8:30 PM	7.75
10/17/2017 8:45 PM	7.75
10/17/2017 9:00 PM	7.75
10/17/2017 9:15 PM	7.75
10/17/2017 9:30 PM	7.75
10/17/2017 9:45 PM	7.75
10/17/2017 10:00 PM	7.75
10/17/2017 10:15 PM	7.77

Date And Time	pH
10/18/2017 12:00 AM	7.81
10/18/2017 12:15 AM	7.81
10/18/2017 12:30 AM	7.81
10/18/2017 12:45 AM	7.81
10/18/2017 1:00 AM	7.81
10/18/2017 1:15 AM	7.78
10/18/2017 1:30 AM	7.76
10/18/2017 1:45 AM	7.75
10/18/2017 2:00 AM	7.74
10/18/2017 2:15 AM	7.73
10/18/2017 2:30 AM	7.73
10/18/2017 2:45 AM	7.70
10/18/2017 3:00 AM	7.81
10/18/2017 3:15 AM	7.84
10/18/2017 3:30 AM	7.84
10/18/2017 3:45 AM	7.83
10/18/2017 4:00 AM	7.83
10/18/2017 4:15 AM	7.83
10/18/2017 4:30 AM	7.83
10/18/2017 4:45 AM	7.82
10/18/2017 5:00 AM	7.82
10/18/2017 5:15 AM	7.81
10/18/2017 5:30 AM	7.81
10/18/2017 5:45 AM	7.81
10/18/2017 6:00 AM	7.76
10/18/2017 6:15 AM	7.76
10/18/2017 6:30 AM	7.74
10/18/2017 6:45 AM	7.74
10/18/2017 7:00 AM	7.73
10/18/2017 7:15 AM	7.73
10/18/2017 7:30 AM	7.73
10/18/2017 7:45 AM	7.73
10/18/2017 8:00 AM	7.74
10/18/2017 8:15 AM	7.74
10/18/2017 8:30 AM	7.75
10/18/2017 8:45 AM	7.75
10/18/2017 9:00 AM	7.82
10/18/2017 9:15 AM	7.82
10/18/2017 9:30 AM	7.82
10/18/2017 9:45 AM	7.82
10/18/2017 10:00 PM	7.81
10/18/2017 10:15 PM	7.81

10/16/2017 10:30 PM	7.74
10/16/2017 10:45 PM	7.72
10/16/2017 11:00 PM	7.71
10/16/2017 11:15 PM	7.71
10/16/2017 11:30 PM	7.71
10/16/2017 11:45 PM	7.68

AVG

7.74

AVG

7.78

AVG

7.80

10/17/2017 10:30 PM	7.75
10/17/2017 10:45 PM	7.81
10/17/2017 11:00 PM	7.82
10/17/2017 11:15 PM	7.82
10/17/2017 11:30 PM	7.82
10/17/2017 11:45 PM	7.82

10/18/2017 10:30 PM 7.81

10/18/2017 10:45 PM 7.81

10/18/2017 11:00 PM 7.81

10/18/2017 11:15 PM 7.80

10/18/2017 11:30 PM 7.80

10/18/2017 11:45 PM 7.79

Date And Time	pH
10/19/2017 12:00 AM	7.79
10/19/2017 12:15 AM	7.78
10/19/2017 12:30 AM	7.77
10/19/2017 12:45 AM	7.76
10/19/2017 1:00 AM	7.76
10/19/2017 1:15 AM	7.76
10/19/2017 1:30 AM	7.74
10/19/2017 1:45 AM	7.85
10/19/2017 2:00 AM	7.82
10/19/2017 2:15 AM	7.79
10/19/2017 2:30 AM	7.80
10/19/2017 2:45 AM	7.90
10/19/2017 3:00 AM	7.91
10/19/2017 3:15 AM	7.91
10/19/2017 3:30 AM	7.90
10/19/2017 3:45 AM	7.90
10/19/2017 4:00 AM	7.89
10/19/2017 4:15 AM	7.88
10/19/2017 4:30 AM	7.82
10/19/2017 4:45 AM	7.80
10/19/2017 5:00 AM	7.79
10/19/2017 5:15 AM	7.78
10/19/2017 5:30 AM	7.78
10/19/2017 5:45 AM	7.78
10/19/2017 6:00 AM	7.88
10/19/2017 6:15 AM	7.91
10/19/2017 6:30 AM	7.91
10/19/2017 6:45 AM	7.90
10/19/2017 7:00 AM	7.89
10/19/2017 7:15 AM	7.88
10/19/2017 7:30 AM	7.87
10/19/2017 7:45 AM	7.88
10/19/2017 8:00 AM	7.88
10/19/2017 8:15 AM	7.87
10/19/2017 8:30 AM	7.87
10/19/2017 8:45 AM	7.86
10/19/2017 9:00 AM	7.82
10/19/2017 9:15 AM	7.80
10/19/2017 9:30 AM	7.78
10/19/2017 9:45 AM	7.81
10/19/2017 10:00 AM	7.87
10/19/2017 10:15 AM	7.88
10/19/2017 10:30 AM	7.88
10/19/2017 10:45 AM	7.88
10/19/2017 11:00 AM	7.88
10/19/2017 11:15 AM	7.89
10/19/2017 11:30 AM	7.90
10/19/2017 11:45 AM	7.90
10/19/2017 12:00 PM	7.91
10/19/2017 12:15 PM	7.90
10/19/2017 12:30 PM	7.89
10/19/2017 12:45 PM	7.89
10/19/2017 1:00 PM	7.88
10/19/2017 1:15 PM	7.87
10/19/2017 1:30 PM	7.90
10/19/2017 1:45 PM	7.89

Date And Time	pH
10/20/2017 12:00 AM	7.87
10/20/2017 12:15 AM	7.90
10/20/2017 12:30 AM	7.91
10/20/2017 12:45 AM	7.90
10/20/2017 1:00 AM	7.90
10/20/2017 1:15 AM	7.89
10/20/2017 1:30 AM	7.89
10/20/2017 1:45 AM	7.88
10/20/2017 2:00 AM	7.88
10/20/2017 2:15 AM	7.87
10/20/2017 2:30 AM	7.87
10/20/2017 2:45 AM	7.87
10/20/2017 3:00 AM	7.82
10/20/2017 3:15 AM	7.81
10/20/2017 3:30 AM	7.80
10/20/2017 3:45 AM	7.79
10/20/2017 4:00 AM	7.78
10/20/2017 4:15 AM	7.88
10/20/2017 4:30 AM	7.90
10/20/2017 4:45 AM	7.90
10/20/2017 5:00 AM	7.90
10/20/2017 5:15 AM	7.89
10/20/2017 5:30 AM	7.89
10/20/2017 5:45 AM	7.88
10/20/2017 6:00 AM	7.87
10/20/2017 6:15 AM	7.86
10/20/2017 6:30 AM	7.85
10/20/2017 6:45 AM	7.85
10/20/2017 7:00 AM	7.84
10/20/2017 7:15 AM	7.84
10/20/2017 7:30 AM	7.84
10/20/2017 7:45 AM	7.83
10/20/2017 8:00 AM	7.83
10/20/2017 8:15 AM	7.83
10/20/2017 8:30 AM	7.82
10/20/2017 8:45 AM	7.82
10/20/2017 9:00 AM	7.81
10/20/2017 9:15 AM	7.81
10/20/2017 9:30 AM	7.81
10/20/2017 9:45 AM	7.80
10/20/2017 10:00 AM	7.80
10/20/2017 10:15 AM	7.80
10/20/2017 10:30 AM	7.81
10/20/2017 10:45 AM	7.83
10/20/2017 11:00 AM	7.84
10/20/2017 11:15 AM	7.86
10/20/2017 11:30 AM	7.88
10/20/2017 11:45 AM	7.87
10/20/2017 12:00 PM	7.81
10/20/2017 12:15 PM	7.80
10/20/2017 12:30 PM	7.78
10/20/2017 12:45 PM	7.73
10/20/2017 1:00 PM	7.83
10/20/2017 1:15 PM	7.89
10/20/2017 1:30 PM	7.91
10/20/2017 1:45 PM	7.91

Date And Time	pH
10/21/2017 12:00 AM	7.87
10/21/2017 12:15 AM	7.86
10/21/2017 12:30 AM	7.86
10/21/2017 12:45 AM	7.86
10/21/2017 1:00 AM	7.86
10/21/2017 1:15 AM	7.86
10/21/2017 1:30 AM	7.83
10/21/2017 1:45 AM	7.81
10/21/2017 2:00 AM	7.80
10/21/2017 2:15 AM	7.80
10/21/2017 2:30 AM	7.80
10/21/2017 2:45 AM	7.74
10/21/2017 3:00 AM	7.87
10/21/2017 3:15 AM	7.92
10/21/2017 3:30 AM	7.93
10/21/2017 3:45 AM	7.92
10/21/2017 4:00 AM	7.92
10/21/2017 4:15 AM	7.91
10/21/2017 4:30 AM	7.90
10/21/2017 4:45 AM	7.90
10/21/2017 5:00 AM	7.89
10/21/2017 5:15 AM	7.89
10/21/2017 5:30 AM	7.88
10/21/2017 5:45 AM	7.88
10/21/2017 6:00 AM	7.84
10/21/2017 6:15 AM	7.82
10/21/2017 6:30 AM	7.81
10/21/2017 6:45 AM	7.81
10/21/2017 7:00 AM	7.80
10/21/2017 7:15 AM	7.80
10/21/2017 7:30 AM	7.86
10/21/2017 7:45 AM	7.92
10/21/2017 8:00 AM	7.92
10/21/2017 8:15 AM	7.92
10/21/2017 8:30 AM	7.91
10/21/2017 8:45 AM	7.91
10/21/2017 9:00 AM	7.90
10/21/2017 9:15 AM	7.90
10/21/2017 9:30 AM	7.89
10/21/2017 9:45 AM	7.88
10/21/2017 10:00 AM	7.88
10/21/2017 10:15 AM	7.87
10/21/2017 10:30 AM	7.84
10/21/2017 10:45 AM	7.81
10/21/2017 11:00 AM	7.80
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10/21/2017 11:30 AM	7.78
10/21/2017 11:45 AM	7.78
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10/21/2017 12:15 PM	7.92
10/21/2017 12:30 PM	7.94
10/21/2017 12:45 PM	7.94
10/21/2017 1:00 PM	7.93
10/21/2017 1:15 PM	7.93
10/21/2017 1:30 PM	7.92
10/21/2017 1:45 PM	7.91

10/19/2017 2:00 PM	7.85
10/19/2017 2:15 PM	7.82
10/19/2017 2:30 PM	7.78
10/19/2017 2:45 PM	7.84
10/19/2017 3:00 PM	7.88
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10/19/2017 3:30 PM	7.89
10/19/2017 3:45 PM	7.88
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10/19/2017 4:15 PM	7.86
10/19/2017 4:30 PM	7.86
10/19/2017 4:45 PM	7.85
10/19/2017 5:00 PM	7.85
10/19/2017 5:15 PM	7.85
10/19/2017 5:30 PM	7.84
10/19/2017 5:45 PM	7.83
10/19/2017 6:00 PM	7.85
10/19/2017 6:15 PM	7.84
10/19/2017 6:30 PM	7.79
10/19/2017 6:45 PM	7.84
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10/19/2017 7:15 PM	7.86
10/19/2017 7:30 PM	7.86
10/19/2017 7:45 PM	7.85
10/19/2017 8:00 PM	7.85
10/19/2017 8:15 PM	7.84
10/19/2017 8:30 PM	7.84
10/19/2017 8:45 PM	7.84
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10/19/2017 9:15 PM	7.83
10/19/2017 9:30 PM	7.83
10/19/2017 9:45 PM	7.82
10/19/2017 10:00 PM	7.82
10/19/2017 10:15 PM	7.82
10/19/2017 10:30 PM	7.81
10/19/2017 10:45 PM	7.79
10/19/2017 11:00 PM	7.79
10/19/2017 11:15 PM	7.78
10/19/2017 11:30 PM	7.78
10/19/2017 11:45 PM	7.76

AVG

7.84

AVG

7.85

AVG

7.88

10/20/2017 2:00 PM	7.91
10/20/2017 2:15 PM	7.90
10/20/2017 2:30 PM	7.89
10/20/2017 2:45 PM	7.87
10/20/2017 3:00 PM	7.85
10/20/2017 3:15 PM	7.82
10/20/2017 3:30 PM	7.80
10/20/2017 3:45 PM	7.79
10/20/2017 4:00 PM	7.78
10/20/2017 4:15 PM	7.77
10/20/2017 4:30 PM	7.90
10/20/2017 4:45 PM	7.88
10/20/2017 5:00 PM	7.84
10/20/2017 5:15 PM	7.82
10/20/2017 5:30 PM	7.81
10/20/2017 5:45 PM	7.77
10/20/2017 6:00 PM	7.85
10/20/2017 6:15 PM	7.88
10/20/2017 6:30 PM	7.88
10/20/2017 6:45 PM	7.88
10/20/2017 7:00 PM	7.88
10/20/2017 7:15 PM	7.87
10/20/2017 7:30 PM	7.87
10/20/2017 7:45 PM	7.86
10/20/2017 8:00 PM	7.86
10/20/2017 8:15 PM	7.85
10/20/2017 8:30 PM	7.85
10/20/2017 8:45 PM	7.89
10/20/2017 9:00 PM	7.83
10/20/2017 9:15 PM	7.81
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10/20/2017 9:45 PM	7.80
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10/20/2017 10:45 PM	7.90
10/20/2017 11:00 PM	7.90
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10/20/2017 11:45 PM	7.88

10/21/2017 2:00 PM	7.90
10/21/2017 2:15 PM	7.89
10/21/2017 2:30 PM	7.89
10/21/2017 2:45 PM	7.88
10/21/2017 3:00 PM	7.96
10/21/2017 3:15 PM	7.94
10/21/2017 3:30 PM	7.90
10/21/2017 3:45 PM	7.87
10/21/2017 4:00 PM	7.86
10/21/2017 4:15 PM	7.83
10/21/2017 4:30 PM	7.88
10/21/2017 4:45 PM	7.89
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10/21/2017 5:30 PM	7.91
10/21/2017 5:45 PM	7.91
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10/21/2017 6:30 PM	7.88
10/21/2017 6:45 PM	7.87
10/21/2017 7:00 PM	7.87
10/21/2017 7:15 PM	7.87
10/21/2017 7:30 PM	7.87
10/21/2017 7:45 PM	7.85
10/21/2017 8:00 PM	7.84
10/21/2017 8:15 PM	7.83
10/21/2017 8:30 PM	7.83
10/21/2017 8:45 PM	7.83
10/21/2017 9:00 PM	7.84
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10/21/2017 9:30 PM	7.92
10/21/2017 9:45 PM	7.92
10/21/2017 10:00 PM	7.92
10/21/2017 10:15 PM	7.91
10/21/2017 10:30 PM	7.91
10/21/2017 10:45 PM	7.90
10/21/2017 11:00 PM	7.90
10/21/2017 11:15 PM	7.89
10/21/2017 11:30 PM	7.89
10/21/2017 11:45 PM	7.92

Date And Time	pH
10/22/2017 12:00 AM	7.85
10/22/2017 12:15 AM	7.83
10/22/2017 12:30 AM	7.83
10/22/2017 12:45 AM	7.82
10/22/2017 1:00 AM	7.82
10/22/2017 1:15 AM	7.82
10/22/2017 1:30 AM	7.76
10/22/2017 1:45 AM	7.90
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10/22/2017 2:15 AM	7.85
10/22/2017 2:30 AM	7.84
10/22/2017 2:45 AM	7.84
10/22/2017 3:00 AM	7.84
10/22/2017 3:15 AM	7.83
10/22/2017 3:30 AM	7.95
10/22/2017 3:45 AM	7.98
10/22/2017 4:00 AM	7.97
10/22/2017 4:15 AM	7.97
10/22/2017 4:30 AM	7.91
10/22/2017 4:45 AM	7.87
10/22/2017 5:00 AM	7.86
10/22/2017 5:15 AM	7.86
10/22/2017 5:30 AM	7.86
10/22/2017 5:45 AM	7.85
10/22/2017 6:00 AM	7.90
10/22/2017 6:15 AM	7.96
10/22/2017 6:30 AM	7.98
10/22/2017 6:45 AM	7.97
10/22/2017 7:00 AM	7.96
10/22/2017 7:15 AM	7.96
10/22/2017 7:30 AM	7.95
10/22/2017 7:45 AM	7.95
10/22/2017 8:00 AM	7.94
10/22/2017 8:15 AM	7.94
10/22/2017 8:30 AM	7.93
10/22/2017 8:45 AM	7.93
10/22/2017 9:00 AM	7.92
10/22/2017 9:15 AM	7.92
10/22/2017 9:30 AM	7.92
10/22/2017 9:45 AM	7.91
10/22/2017 10:00 AM	7.90
10/22/2017 10:15 AM	7.89
10/22/2017 10:30 AM	7.89
10/22/2017 10:45 AM	7.89
10/22/2017 11:00 AM	7.90
10/22/2017 11:15 AM	7.91
10/22/2017 11:30 AM	7.93
10/22/2017 11:45 AM	7.93
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10/22/2017 12:15 PM	7.92
10/22/2017 12:30 PM	7.91
10/22/2017 12:45 PM	7.91
10/22/2017 1:00 PM	7.91
10/22/2017 1:15 PM	7.90
10/22/2017 1:30 PM	7.97
10/22/2017 1:45 PM	7.98
10/22/2017 2:00 PM	7.94
10/22/2017 2:15 PM	7.90
10/22/2017 2:30 PM	7.83
10/22/2017 2:45 PM	7.89
10/22/2017 3:00 PM	7.92
10/22/2017 3:15 PM	7.93
10/22/2017 3:30 PM	7.94
10/22/2017 3:45 PM	7.93
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10/22/2017 4:15 PM	7.92
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10/22/2017 5:45 PM	7.88
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10/22/2017 6:15 PM	7.89
10/22/2017 6:30 PM	7.87
10/22/2017 6:45 PM	7.86
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10/22/2017 7:15 PM	7.87
10/22/2017 7:30 PM	7.91
10/22/2017 7:45 PM	7.92
10/22/2017 8:00 PM	7.92
10/22/2017 8:15 PM	7.92
10/22/2017 8:30 PM	7.91
10/22/2017 8:45 PM	7.91
10/22/2017 9:00 PM	7.90
10/22/2017 9:15 PM	7.90
10/22/2017 9:30 PM	7.90
10/22/2017 9:45 PM	7.89
10/22/2017 10:00 PM	7.89
10/22/2017 10:15 PM	7.88

Date And Time	pH
10/23/2017 12:00 AM	7.87
10/23/2017 12:15 AM	7.81
10/23/2017 12:30 AM	7.88
10/23/2017 12:45 AM	7.91
10/23/2017 1:00 AM	7.91
10/23/2017 1:15 AM	7.91
10/23/2017 1:30 AM	7.90
10/23/2017 1:45 AM	7.90
10/23/2017 2:00 AM	7.89
10/23/2017 2:15 AM	7.89
10/23/2017 2:30 AM	7.89
10/23/2017 2:45 AM	7.88
10/23/2017 3:00 AM	7.86
10/23/2017 3:15 AM	7.84
10/23/2017 3:30 AM	7.83
10/23/2017 3:45 AM	7.83
10/23/2017 4:00 AM	7.82
10/23/2017 4:15 AM	7.82
10/23/2017 4:30 AM	7.81
10/23/2017 4:45 AM	7.81
10/23/2017 5:00 AM	7.81
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10/23/2017 7:30 AM	7.81
10/23/2017 7:45 AM	7.81
10/23/2017 8:00 AM	7.91
10/23/2017 8:15 PM	7.91
10/23/2017 8:30 PM	7.91
10/23/2017 8:45 PM	7.90
10/23/2017 9:00 PM	7.88
10/23/2017 9:15 PM	7.86
10/23/2017 9:30 PM	7.85
10/23/2017 9:45 PM	7.85
10/23/2017 10:00 PM	7.84
10/23/2017 10:15 PM	7.82

Date And Time	pH
10/24/2017 12:00 AM	7.93
10/24/2017 12:15 AM	7.92
10/24/2017 12:30 AM	7.92
10/24/2017 12:45 AM	7.91
10/24/2017 1:00 AM	7.91
10/24/2017 1:15 AM	7.90
10/24/2017 1:30 AM	7.87
10/24/2017 1:45 AM	7.86
10/24/2017 2:00 AM	7.85
10/24/2017 2:15 AM	7.85
10/24/2017 2:30 AM	7.84
10/24/2017 2:45 AM	7.90
10/24/2017 3:00 AM	7.95
10/24/2017 3:15 AM	7.95
10/24/2017 3:30 AM	7.95
10/24/2017 3:45 AM	7.95
10/24/2017 4:00 AM	7.94
10/24/2017 4:15 AM	7.94
10/24/2017 4:30 AM	7.93
10/24/2017 4:45 AM	7.92
10/24/2017 5:00 AM	7.92
10/24/2017 5:15 AM	7.91
10/24/2017 5:30 AM	7.91
10/24/2017 5:45 AM	7.91
10/24/2017 6:00 AM	7.89
10/24/2017 6:15 AM	7.85
10/24/2017 6:30 AM	7.85
10/24/2017 6:45 AM	7.84
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10/24/2017 10:15 PM	7.92

10/22/2017 10:30 PM	7.88
10/22/2017 10:45 PM	7.88
10/22/2017 11:00 PM	7.88
10/22/2017 11:15 PM	7.87
10/22/2017 11:30 PM	7.87
10/22/2017 11:45 PM	7.87

AVG

7.90

10/23/2017 10:30 PM	7.91
10/23/2017 10:45 PM	7.94
10/23/2017 11:00 PM	7.95
10/23/2017 11:15 PM	7.94
10/23/2017 11:30 PM	7.94
10/23/2017 11:45 PM	7.93

AVG

7.89

10/24/2017 10:30 PM	7.92
10/24/2017 10:45 PM	7.92
10/24/2017 11:00 PM	7.91
10/24/2017 11:15 PM	7.91
10/24/2017 11:30 PM	7.91
10/24/2017 11:45 PM	7.91

AVG

7.90

Date And Time	pH
10/25/2017 12:00 AM	7.88
10/25/2017 12:15 AM	7.86
10/25/2017 12:30 AM	7.85
10/25/2017 12:45 AM	7.85
10/25/2017 1:00 AM	7.85
10/25/2017 1:15 AM	7.93
10/25/2017 1:30 AM	7.95
10/25/2017 1:45 AM	7.95
10/25/2017 2:00 AM	7.95
10/25/2017 2:15 AM	7.94
10/25/2017 2:30 AM	7.94
10/25/2017 2:45 AM	7.93
10/25/2017 3:00 AM	7.92
10/25/2017 3:15 AM	7.92
10/25/2017 3:30 AM	7.92
10/25/2017 3:45 AM	7.91
10/25/2017 4:00 AM	7.91
10/25/2017 4:15 AM	7.91
10/25/2017 4:30 AM	7.88
10/25/2017 4:45 AM	7.85
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10/25/2017 6:45 AM	7.95
10/25/2017 7:00 AM	7.94
10/25/2017 7:15 AM	7.93
10/25/2017 7:30 AM	7.93
10/25/2017 7:45 AM	7.93
10/25/2017 8:00 AM	7.93
10/25/2017 8:15 AM	7.92
10/25/2017 8:30 AM	7.92
10/25/2017 8:45 AM	7.92
10/25/2017 9:00 AM	7.87
10/25/2017 9:15 AM	7.84
10/25/2017 9:30 AM	7.83
10/25/2017 9:45 AM	7.87
10/25/2017 10:00 AM	7.92
10/25/2017 10:15 AM	7.93
10/25/2017 10:30 AM	7.93
10/25/2017 10:45 AM	7.92
10/25/2017 11:00 AM	7.92
10/25/2017 11:15 AM	7.92
10/25/2017 11:30 AM	7.90
10/25/2017 11:45 AM	7.90
10/25/2017 12:00 PM	7.91
10/25/2017 12:15 PM	7.93
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10/25/2017 12:45 PM	7.95
10/25/2017 1:00 PM	7.95
10/25/2017 1:15 PM	7.95
10/25/2017 1:30 PM	7.93
10/25/2017 1:45 PM	7.92
10/25/2017 2:00 PM	7.91
10/25/2017 2:15 PM	7.91
10/25/2017 2:30 PM	7.90
10/25/2017 2:45 PM	7.81
10/25/2017 3:00 PM	7.84
10/25/2017 3:15 PM	7.86
10/25/2017 3:30 PM	7.86
10/25/2017 3:45 PM	7.86
10/25/2017 4:00 PM	7.86
10/25/2017 4:15 PM	7.86
10/25/2017 4:30 PM	7.86
10/25/2017 4:45 PM	7.86
10/25/2017 5:00 PM	7.85
10/25/2017 5:15 PM	7.85
10/25/2017 5:30 PM	7.85
10/25/2017 5:45 PM	7.91
10/25/2017 6:00 PM	7.87
10/25/2017 6:15 PM	7.86
10/25/2017 6:30 PM	7.84
10/25/2017 6:45 PM	7.84
10/25/2017 7:00 PM	7.79
10/25/2017 7:15 PM	7.89
10/25/2017 7:30 PM	7.92
10/25/2017 7:45 PM	7.92
10/25/2017 8:00 PM	7.92
10/25/2017 8:15 PM	7.92
10/25/2017 8:30 PM	7.91
10/25/2017 8:45 PM	7.90
10/25/2017 9:00 PM	7.90
10/25/2017 9:15 PM	7.89
10/25/2017 9:30 PM	7.89

Date And Time	pH
10/26/2017 12:00 AM	7.91
10/26/2017 12:15 AM	7.95
10/26/2017 12:30 AM	7.96
10/26/2017 12:45 AM	7.95
10/26/2017 1:00 AM	7.95
10/26/2017 1:15 AM	7.94
10/26/2017 1:30 AM	7.94
10/26/2017 1:45 AM	7.93
10/26/2017 2:00 AM	7.93
10/26/2017 2:15 AM	7.92
10/26/2017 2:30 AM	7.92
10/26/2017 2:45 AM	7.92
10/26/2017 3:00 AM	7.88
10/26/2017 3:15 AM	7.86
10/26/2017 3:30 AM	7.85
10/26/2017 3:45 AM	7.84
10/26/2017 4:00 AM	7.86
10/26/2017 4:15 AM	7.93
10/26/2017 4:30 AM	7.94
10/26/2017 4:45 AM	7.94
10/26/2017 5:00 AM	7.94
10/26/2017 5:15 AM	7.94
10/26/2017 5:30 AM	7.93
10/26/2017 5:45 AM	7.93
10/26/2017 6:00 AM	7.94
10/26/2017 6:15 AM	7.94
10/26/2017 6:30 AM	7.94
10/26/2017 6:45 AM	7.94
10/26/2017 7:00 AM	7.94
10/26/2017 7:15 PM	7.93
10/26/2017 7:30 PM	7.92
10/26/2017 7:45 PM	7.92
10/26/2017 8:00 PM	7.92
10/26/2017 8:15 PM	7.92
10/26/2017 8:30 PM	7.92
10/26/2017 8:45 PM	7.92
10/26/2017 9:00 PM	7.87
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10/26/2017 9:30 PM	7.84

Date And Time	pH
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10/27/2017 1:30 AM	7.85
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10/27/2017 2:15 AM	7.82
10/27/2017 2:30 AM	7.82
10/27/2017 2:45 AM	7.91
10/27/2017 3:00 AM	7.93
10/27/2017 3:15 AM	7.93
10/27/2017 3:30 AM	7.93
10/27/2017 3:45 AM	7.92
10/27/2017 4:00 AM	7.92
10/27/2017 4:15 AM	7.91
10/27/2017 4:30 AM	7.91
10/27/2017 4:45 AM	7.90
10/27/2017 5:00 AM	7.90
10/27/2017 5:15 AM	7.89
10/27/2017 5:30 AM	7.89
10/27/2017 5:45 AM	7.89
10/27/2017 6:00 AM	7.85
10/27/2017 6:15 AM	7.83
10/27/2017 6:30 AM	7.82
10/27/2017 6:45 AM	7.81
10/27/2017 7:00 AM	7.81
10/27/2017 7:15 AM	7.81
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10/27/2017 8:45 AM	7.89
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10/27/2017 9:30 AM	7.89

10/25/2017 9:45 PM	7.89
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10/25/2017 11:30 PM	7.83
10/25/2017 11:45 PM	7.78

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10/26/2017 9:45 PM	7.83
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10/26/2017 11:15 PM	7.94
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10/26/2017 11:45 PM	7.93

10/27/2017 9:45 PM	7.80
10/27/2017 10:00 PM	7.79
10/27/2017 10:15 PM	7.80
10/27/2017 10:30 PM	7.80
10/27/2017 10:45 PM	7.80
10/27/2017 11:00 PM	7.81
10/27/2017 11:15 PM	7.82
10/27/2017 11:30 PM	7.82
10/27/2017 11:45 PM	7.81

Date And Time	pH
10/28/2017 12:00 AM	7.82
10/28/2017 12:15 AM	7.87
10/28/2017 12:30 AM	7.84
10/28/2017 12:45 AM	7.83
10/28/2017 1:00 AM	7.83
10/28/2017 1:15 AM	7.82
10/28/2017 1:30 AM	7.82
10/28/2017 1:45 AM	7.81
10/28/2017 2:00 AM	7.81
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10/28/2017 5:00 AM	7.85
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10/28/2017 5:30 AM	7.84
10/28/2017 5:45 AM	7.84
10/28/2017 6:00 AM	7.94
10/28/2017 6:15 AM	7.96
10/28/2017 6:30 AM	7.96
10/28/2017 6:45 AM	7.96
10/28/2017 7:00 AM	7.95
10/28/2017 7:15 AM	7.95
10/28/2017 7:30 AM	7.94
10/28/2017 7:45 AM	7.94
10/28/2017 8:00 AM	7.93
10/28/2017 8:15 AM	7.93
10/28/2017 8:30 AM	7.92
10/28/2017 8:45 AM	7.92
10/28/2017 9:00 AM	7.91
10/28/2017 9:15 AM	7.91
10/28/2017 9:30 AM	7.90
10/28/2017 9:45 AM	7.89
10/28/2017 10:00 AM	7.89
10/28/2017 10:15 AM	7.89
10/28/2017 10:30 AM	7.88
10/28/2017 10:45 AM	7.88
10/28/2017 11:00 AM	7.88
10/28/2017 11:15 AM	7.90
10/28/2017 11:30 AM	7.89
10/28/2017 11:45 AM	7.88
10/28/2017 12:00 PM	7.87
10/28/2017 12:15 PM	7.87
10/28/2017 12:30 PM	7.89
10/28/2017 12:45 PM	7.91
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10/28/2017 3:30 PM	7.92
10/28/2017 3:45 PM	7.91
10/28/2017 4:00 PM	7.91
10/28/2017 4:15 PM	7.90
10/28/2017 4:30 PM	7.90
10/28/2017 4:45 PM	7.88
10/28/2017 5:00 PM	7.89
10/28/2017 5:15 PM	7.88
10/28/2017 5:30 PM	7.87
10/28/2017 5:45 PM	7.87
10/28/2017 6:00 PM	7.88
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10/28/2017 7:15 PM	7.84
10/28/2017 7:30 PM	7.84
10/28/2017 7:45 PM	7.84
10/28/2017 8:00 PM	7.92
10/28/2017 8:15 PM	7.89
10/28/2017 8:30 PM	7.87
10/28/2017 8:45 PM	7.86
10/28/2017 9:00 PM	7.85
10/28/2017 9:15 PM	7.89

Date And Time	pH
10/29/2017 12:00 AM	7.92
10/29/2017 12:15 AM	7.92
10/29/2017 12:30 AM	7.91
10/29/2017 12:45 AM	7.91
10/29/2017 1:00 AM	7.90
10/29/2017 1:15 AM	7.90
10/29/2017 1:30 AM	7.90
10/29/2017 1:45 AM	7.90
10/29/2017 2:00 AM	7.89
10/29/2017 2:15 AM	7.89
10/29/2017 2:30 AM	7.89
10/29/2017 2:45 AM	7.88
10/29/2017 3:00 AM	7.88
10/29/2017 3:15 AM	7.88
10/29/2017 3:30 AM	7.88
10/29/2017 3:45 AM	7.88
10/29/2017 4:00 AM	7.88
10/29/2017 4:15 AM	7.87
10/29/2017 4:30 AM	7.87
10/29/2017 4:45 AM	7.87
10/29/2017 5:00 AM	7.85
10/29/2017 5:15 PM	7.84
10/29/2017 5:30 PM	7.84
10/29/2017 5:45 PM	7.89
10/29/2017 6:00 PM	7.94
10/29/2017 6:15 PM	7.95
10/29/2017 6:30 PM	7.94
10/29/2017 6:45 PM	7.94
10/29/2017 7:00 PM	7.93
10/29/2017 7:15 PM	7.93
10/29/2017 7:30 PM	7.92
10/29/2017 7:45 PM	7.92
10/29/2017 8:00 PM	7.91
10/29/2017 8:15 PM	7.91
10/29/2017 8:30 PM	7.91
10/29/2017 8:45 PM	7.91
10/29/2017 9:00 PM	7.90
10/29/2017 9:15 PM	7.86

Date And Time	pH
10/30/2017 12:00 AM	7.93
10/30/2017 12:15 AM	7.92
10/30/2017 12:30 AM	7.92
10/30/2017 12:45 AM	7.91
10/30/2017 1:00 AM	7.91
10/30/2017 1:15 AM	7.91
10/30/2017 1:30 AM	7.90
10/30/2017 1:45 AM	7.86
10/30/2017 2:00 AM	7.85
10/30/2017 2:15 AM	7.84
10/30/2017 2:30 AM	7.77
10/30/2017 2:45 AM	7.89
10/30/2017 3:00 AM	7.94
10/30/2017 3:15 AM	7.94
10/30/2017 3:30 AM	7.94
10/30/2017 3:45 AM	7.94
10/30/2017 4:00 AM	7.93
10/30/2017 4:15 AM	7.93
10/30/2017 4:30 AM	7.92
10/30/2017 4:45 AM	7.92
10/30/2017 5:00 AM	7.87
10/30/2017 5:15 AM	7.91
10/30/2017 5:30 AM	7.91
10/30/2017 5:45 AM	7.91
10/30/2017 6:00 AM	7.92
10/30/2017 6:15 AM	7.92
10/30/2017 6:30 AM	7.92
10/30/2017 6:45 AM	7.92
10/30/2017 7:00 AM	7.92
10/30/2017 7:15 AM	7.93
10/30/2017 7:30 AM	7.93
10/30/2017 7:45 AM	7.93
10/30/2017 8:00 AM	7.93
10/30/2017 8:15 AM	7.84
10/30/2017 8:30 AM	7.83
10/30/2017 8:45 AM	7.83
10/30/2017 9:00 PM	7.79
10/30/2017 9:15 PM	7.91

10/28/2017 9:30 PM	7.96
10/28/2017 9:45 PM	7.97
10/28/2017 10:00 PM	7.97
10/28/2017 10:15 PM	7.96
10/28/2017 10:30 PM	7.96
10/28/2017 10:45 PM	7.95
10/28/2017 11:00 PM	7.94
10/28/2017 11:15 PM	7.94
10/28/2017 11:30 PM	7.93
10/28/2017 11:45 PM	7.92

AVG

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AVG

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Date And Time	pH
10/31/2017 12:00 AM	7.88
10/31/2017 12:15 AM	7.86
10/31/2017 12:30 AM	7.85
10/31/2017 12:45 AM	7.84
10/31/2017 1:00 AM	7.84
10/31/2017 1:15 AM	7.83
10/31/2017 1:30 AM	7.83
10/31/2017 1:45 AM	7.87
10/31/2017 2:00 AM	7.91
10/31/2017 2:15 AM	7.86
10/31/2017 2:30 AM	7.85
10/31/2017 2:45 AM	7.84
10/31/2017 3:00 AM	7.84
10/31/2017 3:15 AM	7.84
10/31/2017 3:30 AM	7.87
10/31/2017 3:45 AM	7.95
10/31/2017 4:00 AM	7.96
10/31/2017 4:15 AM	7.99
10/31/2017 4:30 AM	7.88
10/31/2017 4:45 AM	7.86
10/31/2017 5:00 AM	7.85
10/31/2017 5:15 AM	7.85
10/31/2017 5:30 AM	7.85
10/31/2017 5:45 AM	7.84
10/31/2017 6:00 AM	7.84
10/31/2017 6:15 AM	7.86
10/31/2017 6:30 AM	7.95
10/31/2017 6:45 AM	7.97
10/31/2017 7:00 AM	7.97
10/31/2017 7:15 AM	7.97
10/31/2017 7:30 AM	7.96
10/31/2017 7:45 AM	7.95
10/31/2017 8:00 AM	7.94
10/31/2017 8:15 AM	7.94
10/31/2017 8:30 AM	7.93
10/31/2017 8:45 AM	7.96
10/31/2017 9:00 AM	7.87
10/31/2017 9:15 AM	7.80
10/31/2017 9:30 AM	7.89
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10/31/2017 10:30 AM	7.93

10/29/2017 9:30 PM	7.85
10/29/2017 9:45 PM	7.84
10/29/2017 10:00 PM	7.84
10/29/2017 10:15 PM	7.84
10/29/2017 10:30 PM	7.88
10/29/2017 10:45 PM	7.94
10/29/2017 11:00 PM	7.95
10/29/2017 11:15 PM	7.95
10/29/2017 11:30 PM	7.94
10/29/2017 11:45 PM	7.93

10/30/2017 9:30 PM	7.94
10/30/2017 9:45 PM	7.95
10/30/2017 10:00 PM	7.94
10/30/2017 10:15 PM	7.94
10/30/2017 10:30 PM	7.93
10/30/2017 10:45 PM	7.93
10/30/2017 11:00 PM	7.92
10/30/2017 11:15 PM	7.92
10/30/2017 11:30 PM	7.91
10/30/2017 11:45 PM	7.91

MIN	7.54
MAX	7.99

10/31/2017 10:45 AM	7.92
10/31/2017 11:00 AM	7.91
10/31/2017 11:15 AM	7.91
10/31/2017 11:30 AM	7.90
10/31/2017 11:45 AM	7.89
10/31/2017 12:00 PM	7.89
10/31/2017 12:15 PM	7.91
10/31/2017 12:30 PM	7.91
10/31/2017 12:45 PM	7.92
10/31/2017 1:00 PM	7.93
10/31/2017 1:15 PM	7.93
10/31/2017 1:30 PM	7.92
10/31/2017 1:45 PM	7.92
10/31/2017 2:00 PM	7.92
10/31/2017 2:15 PM	7.92
10/31/2017 2:30 PM	7.92
10/31/2017 2:45 PM	7.91
10/31/2017 3:00 PM	7.89
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10/31/2017 8:15 PM	7.84
10/31/2017 8:30 PM	7.93
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10/31/2017 9:00 PM	7.85
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10/31/2017 9:30 PM	7.84
10/31/2017 9:45 PM	7.80
10/31/2017 10:00 PM	7.93
10/31/2017 10:15 PM	7.97
10/31/2017 10:30 PM	7.89
10/31/2017 10:45 PM	7.86
10/31/2017 11:00 PM	7.85
10/31/2017 11:15 PM	7.85
10/31/2017 11:30 PM	7.85
10/31/2017 11:45 PM	7.85

AVG

7.89

Avtex Fibers
Front Royal, VA
Outfall 004
October 2017 DMR

Sample Date	Sample ID	BOD, mg/L	BOD, kg/d	TSS, mg/L	TSS, kg/d
10/5/2017	AF10-5FE	0.0	0.0	0.0	0.0
10/10/2017	AF10-10FE	0.0	0.0	0.0	0.0
10/19/2017	AF10-19FE	0.0	0.0	0.0	0.0
10/26/2017	AF10-26FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> lbs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d

Concentration Derivation
If 1 lb/d and 1 MGD (= 1 MG/day)
[(1 lbs/day)(453,600 mg/lb) / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]
--> ppm = lb/d ^ (1/8.34) ^ (1/MGD)

BOD

10/5/2017	0
10/10/2017	0
10/19/2017	0
10/26/2017	0

AVG

0

TSS

10/5/2017	0
10/10/2017	0
10/19/2017	0
10/26/2017	0

AVG

0

CS2*

10/25/2017	<QL	ug/L
10/25/2017	<QL	mg/L
10/25/2017	<QL	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L

Attachment 4

*Preliminary Site-Wide Quarterly
Inspection*

Quarterly Inspection Report

Inspected by: M. Robinson / M. Harder
 Report No.: 2017-12

Date: 12-22-2017
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
1. Remediation/Restoration Areas			
Is settlement or standing water evident? If Yes, describe the degree of settlement(s) (slight, moderate, significant), record approximate dimensions, and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Slight to moderate settlement in small/isolated areas. Standing water present in two areas (near LS-2 and at SB-3) of the site during this inspection.	
Is erosion evident? If Yes, describe the type of erosion (rills, gullies), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Minor erosion noted in a few isolated areas (see map for locations and details).	
Are potential leachate seeps evident or migration of contamination? If Yes, describe the nature (size, color, flow rate), record location on an attached map, and photograph. [Note: Check former seep areas in unnamed tributary north of VB 4-6, check pond area north of VB 9, and check other likely areas (e.g., embankments of VBs, SBs)]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See map for locations. Potential seeps: -South of LS2 (standing water present) -SE of VB-2&3 (Dry) -NW of VB-7&8 (Dry)	
Do landfill/basin embankments show signs of erosion, failure (e.g., cracking, sloughing) or migration of contamination (e.g., seeps, exposed waste)? If Yes, describe the nature (type, size), record location on an attached map, and photograph [Note: Check river-side of embankments along river, if safe to do so.]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is vegetation distressed or are bare areas evident? If Yes, describe the type of disorder (distressed, sparsely vegetated, bare), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Isolated/minor bare areas noted. See map for locations. With few exceptions, vegetation is filling in or the bare soil is the result of animal activities.	

Quarterly Inspection Report

Inspected by: M. Robinson / M. Harder
 Report No.: 2017-12

Date: 12-22-2017
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
Is there woody vegetation greater than 2 inches in diameter or 5 feet in height on the cover system(s)? If Yes, describe where and actions to be taken (refer to Section 4.2 of the O&M Plan).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is any other damage evident? If Yes, describe the type of damage(s) and indicate the location(s) on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are obstruction(s) (brush, debris, timber, leaves, sediment) interfering with the proper functioning of ditches, gutters or flumes? If Yes, describe the type(s) of obstruction(s) and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<p>Minor obstructions at one location:</p> <p>1. Sediment building up at end of culvert southeast of VB-10 causing standing water in culvert. Issue to be monitored.</p> <p>Two small trees noted at southern-most inlet at FAB-6.</p>
Is sediment deposited in diversion berms, ditches gutters, flumes or culverts deeper than $\frac{1}{4}$ of the original channel depth (shown on the contract drawings) or culvert diameter? If Yes, record approximate dimensions and indicate locations on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Quarterly Inspection Report

Inspected by: M. Robinson / M. Harder
 Report No.: 2017-12

Date: 12-22-2017
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations
2. Surface Water Drainage and Erosion Control System		
Is erosion evident? If Yes, describe the drainage structure inspected (ditch, gutter, flume, culvert, outfall, rip-rap), the type of erosion (rills, gullies, washouts, slope failure), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Minor erosion noted in a few isolated areas. See map for locations. Rills forming across access road to LS-1 (west of VB-4, 5, & 6) due to flow exceeding capacity of culvert. Rills have also formed on north bank of the sediment basin between the NLF and VB-2&3. The rills in both locations appear to have stabilized.
Is overall shape, configuration, and alignment of the drainageway as shown on the drawings? If No, describe the type of distortion (damaged, eroded, slope failure), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Is erosion evident at drainage outlet aprons? If Yes, record approximate dimensions and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Inspection Checklist (check items that were inspected; document concerns noted;
refer to attached Drawings for specific areas)

Viscos Basins 1-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

Viscos Basins 4-6

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets - N, E, & W of VB 4-6; - Pond W of VB 4-6	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Gas Vent Filter & Fence
<input checked="" type="checkbox"/> Former seep area - N of VB 4-6	<input checked="" type="checkbox"/> LS #1 & #2 and Fencing	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

Viscos Basins 7-8

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets (between VB-1 and VB-7)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Leachate Collection Manhole (MW VB7)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Viscos Basins 9-11

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Drop inlets on VB-11	<input checked="" type="checkbox"/> Culver inlets & outlets (S&W VB-11; N VB-11 & VB-9; and SW VB-10)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes
<input checked="" type="checkbox"/> Access road near unit	<input checked="" type="checkbox"/> Seep area in pond north of VB-9	<input checked="" type="checkbox"/> VB 9-11 fence and gates	<input checked="" type="checkbox"/> LS #4 and Fencing

New Landfill

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & SE of NLF)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> LS #3 and Fencing
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-1

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE SB-1; SB-2; SE SB-3; NE SB-4; & S SB-4)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Down chutes (SB-1 & SB-4)	<input type="checkbox"/>
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Checklist (check items that were inspected; document concerns noted;
refer to attached Drawings for specific areas)

SB-2

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & Outlets (S & W Sides)
<input checked="" type="checkbox"/> Berms along River (site & river side)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

SB-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & Outlets (SE)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Drop inlets (W side)	<input checked="" type="checkbox"/> Access Road near unit
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-4

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & S sides)	<input checked="" type="checkbox"/> Down chutes (S Side)	<input checked="" type="checkbox"/> Drop inlet (N side)	<input checked="" type="checkbox"/> Berms along River (site & river side)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-5

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Berms along River and E side	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FAB 1-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & S FAB1-2; SW FAB3)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FAS & FARA

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & N FAS; E FARA)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EL, PB 1-2, PB-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Rip-rap Channels
<input checked="" type="checkbox"/> Culvert inlets & outlets (E & W EL; NW PB-1-2; S PB-3)	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 1

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 12/22/2017



Photo Description: 20' x 40' area of standing water adjacent to LS-2.

Photo Number: 2

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 12/22/2017



Photo Description: Rills forming on access road to LS-1 west of VB-4, 5, & 6

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 3

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 12/22/2017



Photo Description: Minor erosion with rills adjacent to headwall in southeast corner of Sediment Basin 1.

Photo Number: 4

Unit: OU-10

Basin/Landfill:

VB-2&3, and NLF

Date : 12/22/2017



Photo Description: Bare soil (~10' x30') with rills southeast of VB-2&3 (Sediment basin between NLF and VB-2&3). Stabilized.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 5

Unit: OU-10

Basin/Landfill:

NLF

Date : 12/22/2017



Photo Description: Bare soil (~10'x20') in the southeast corner of the basin located southeast of the NLF; continues to fill in with vegetation.

Photo Number: 6

Unit: OU-7

Basin/Landfill:

VB-11

Date : 12/22/2017



Photo Description: Bare Soil (~4'x10') adjacent to downdrain north of VB-11.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 7

Unit: OU-7

Basin/Landfill:

VB-9

Date : 12/22/2017



Photo Description: Finished repairs to first 30' x 40' areas of settlement on VB-9.

Photo Number: 8

Unit: OU-7

Basin/Landfill:

VB-9

Date : 12/22/2017



Photo Description: Finished repairs to second 30' x 40' areas of settlement on VB-9.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 9

Unit: OU-7

Basin/Landfill:

VB-11

Date : 12/22/2017



Photo Description: Former area of standing water around wells 103/203/303.(now dry).

Photo Number: 10

Unit: OU-7

Basin/Landfill:

VB-10

Date : 12/22/2017



Photo Description: Sediment building up at end of culvert under access road.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 11

Unit: OU-7

Basin/Landfill:

VB-10

Date : 12/22/2017



Photo Description: Cattails at end of culvert under access road

Photo Number: 12

Unit: OU-7

Basin/Landfill:

VB-10

Date : 12/22/2017



Photo Description: Bare patches and spotty vegetation in southeast corner of VB-10.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 13

Unit: OU-7

Basin/Landfill:

VB-10

Date : 12/22/2017



Photo Description: Bare patches and exposed matting at down chute in southeast corner of VB-10.

Photo Number: 14

Unit: OU-7

Basin/Landfill:

VB-10

Date : 12/22/2017



Photo Description: Bare patches and exposed matting at down chute in southwest corner of VB-10.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 15

Unit: OU-7

Basin/Landfill:

VB-10

Date : 12/22/2017



Photo Description: Bare soil (~20'x30') at the southwest corner of VB-10.

Photo Number: 16

Unit: NTCRA Basins

Basin/Landfill:

SB-3

Date : 12/22/2017



Photo Description: 20' x 40' area of standing water on SB-3 near northeast corner of SB-2. One to two inches deep.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 17

Unit: NTCRA Basins

Basin/Landfill:

SB-3

Date : 12/22/2017



Photo Description: Former 15' x 20' area of standing water on SB-3 (now muddy).

Photo Number: 18

Unit: NTCRA Basins

Basin/Landfill:

FAB-6

Date : 12/22/2017



Photo Description: Small trees at inlet.

